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SCIOTO COUNTY HAZARD MITIGATION PLAN DECEMBER 2025

PREPARED BY:
Burton Planning Services
252 Electric Avenue
Westerville, Ohio 43081

Burton Planning Services

PREPARED FOR:
Scioto County
729 6th St.
Portsmouth, Ohio 45662

Table of Contents

1 | Introduction 1

1.1 Overview 2

1.2 Setting 5

1.3 Region Features 8

2 | History & Demographics 12

2.1 History 13

2.2 Communication Outlets 14

2.3 Demographics Overview 15

2.4 Community Profiles 17

3 | Planning Process 30

3.1 Methodology 31

3.2 Existing Plans & Regulations 31

3.3 Scioto County Authority to Adopt Plan 31

3.4 Notification Process 32

3.5 Meetings 35

3.6 Public Comment Period 37

4| Risk Assessments 38

4.1 Dam/Levee Failure 39

4.2 Drought and Extreme Heat 48

4.3 Earthquakes 54

4.4 Flood 63

4.5 Invasive Species 72

4.6 Landslide and Mine Subsidence 79

4.7 Severe Summer Weather 90

4.8 Severe Winter Weather 98

4.9 Tornadoes 105

4.10 Wildfire 112

5 | Hazard Mitigation Strategy 117

5.1 Hazard Mitigation Strategy 118

5.2 Hazard Mitigation Goals 121

6| Schedule & Maintenance 139

6.1 Participation Overview 140

6.2 Continued Public Involvement 140

6.3 Previous Integration Efforts 140
6.4 Future Integration Efforts 140
6.5 Updating the Plan 141
Appendix 142
Appendix A: Historical Hazard Events 143
Appendix B: Previous Mitigation Actions 172
Appendix C: Community Lifelines List 176
Appendix D: Sources 178
Appendix E: National Risk Index Reports 184
Appendix F: FEMA Flood Maps 243
Appendix G: Meeting Documentation 279

List of Tables and Figures

Table 1.1.1: Scioto County Jurisdictions 2
Table 1.1.2: Scioto County Townships 2
Figure 1.1.3: Scioto County Jurisdictions Map 3
Figure 1.2.1: Scioto County Land Use Map 6
Figure 1.2.2: Scioto County Land Cover Map 7
Table 1.3.1: Parks & Nature Areas in Scioto County, Ohio 8
Table 1.3.2: Scioto County Streams and Water Bodies 8
Figure 2.1.1: Temper Mound 13
Table 2.2.1: Communication Outlets and Social Media 14
Table 2.3.1: County And Township Population Growth Estimates Between 2010 Census and 2023 5-Year ACS Estimates 15
Table 2.3.2 Social Vulnerability Score per Theme for Scioto County and Ohio 16
Table 2.4.1: Scioto County Population by Age Statistics 2023 ACS 5-Year Estimates 17
Table 2.4.2: Scioto County Housing Statistics 2023 ACS 5-Year Estimates 17
Table 2.4.3: Scioto County Household Statistics 2023 ACS 5-Year Estimates 18
Table 2.4.4: Scioto County Population by Race and Ethnicity Statistics 2023 ACS 5-Year Estimates 18
Table 2.4.5: Scioto County Language Spoken at Home Statistics 2023 ACS 5-Year Estimates 18
Table 2.4.6: Scioto County Household Income Statistics 2023 ACS 5-Year Estimates 19
Table 2.4.7: City of Portsmouth Population by Age 2022 ACS 5-Year Estimates 20
Table 2.4.8: City of Portsmouth Housing Statistics 2023 ACS 5-Year Estimates 20
Table 2.4.9: City of Portsmouth Household Statistics 2023 ACS 5-Year Estimates 20
Table 2.4.10: City of Portsmouth Race and Ethnicity Statistics 2023 ACS 5-Year Estimates 21
Table 2.4.11: City of Portsmouth Language Spoken at Home Statistics 2023 ACS 5-Year Estimates 21
Table 2.4.12: City of Portsmouth Income Statistics 2023 ACS 5-Year Estimates 21
Table 2.4.13: Village of New Boston Population by Age 2023 ACS 5-Year Estimates 22
Table 2.4.14: Village of New Boston Housing Statistics 2023 ACS 5-Year Estimates 22
Table 2.4.15: Village of New Boston Household Statistics 2023 ACS 5-Year Estimates 22
Table 2.4.16: Village of New Boston Race and Ethnicity Statistics 2023 ACS 5-Year Estimates 23
Table 2.4.17: Village of New Boston Language Spoken at Home Statistics 2023 ACS 5-Year Estimates 23
Table 2.4.18: Village of New Boston Income Statistics 2023 ACS 5-Year Estimates 23
Table 2.4.19: Village of Otway Population by Age 2023 ACS 5-Year Estimates 24
Table 2.4.20: Village of Otway Housing Statistics 2023 ACS 5-Year Estimates 24
Table 2.4.21: Village of Otway Household Statistics 2023 ACS 5-Year Estimates 24

Table 2.4.22: Village of Otway Race and Ethnicity Statistics 2023 ACS 5-Year Estimates 25
Table 2.4.23: Village of Otway Language Spoken at Home Statistics 2023 ACS 5-Year Estimates ... 25
Table 2.4.24: Village of Otway Income Statistics 2023 ACS 5-Year Estimates 25
Table 2.4.25: Village of Rarden Population by Age 2023 ACS 5-Year Estimates 26
Table 2.4.26: Village of Rarden Housing Statistics 2023 ACS 5-Year Estimates 26
Table 2.4.27: Village of Rarden Household Statistics 2023 ACS 5-Year Estimates 26
Table 2.4.28: Village of Rarden Race and Ethnicity Statistics 2023 ACS 5-Year Estimates 27
Table 2.4.29: Village of Rarden Language Spoken at Home Statistics 2023 ACS 5-Year Estimates . 27
Table 2.4.30: Village of Rarden Income Statistics 2023 ACS 5-Year Estimates 27
Table 2.4.31: Village of South Webster Population by Age 2023 ACS 5-Year Estimates 28
Table 2.4.32: Village of South Webster Housing Statistics 2023 ACS 5-Year Estimates 28
Table 2.4.33: Village of South Webster Household Statistics 2023 ACS 5-Year Estimates 28
Table 2.4.34: Village of South Webster Race and Ethnicity Statistics 2023 ACS 5-Year Estimates ... 29
Table 2.4.35: Village of South Webster Language Spoken at Home Statistics 2023 ACS 5-Year Estimates 29
Table 2.4.36: Village of South Webster Income Statistics 2023 ACS 5-Year Estimates 29
Table 3.3.1: Existing Authorities and Regulations in Scioto County's Municipalities 31
Table 3.4.1: Participating Jurisdictions 34
Table 4.1.1: Dam Properties in Scioto County, Ohio 40
Figure 4.1.2: Dam Locations in Scioto County, Ohio 42
Table 4.1.3: Big Bear Lake Dam Property Exposure 45
Table 4.1.4: Kinskey Lake Dam Property Exposure 45
Table 4.1.5: Lake Emma Dam Property Exposure 46
Figure 4.2.1: Heat Index Chart 48
Table 4.2.2: Palmer Drought Severity Index Classifications and Federal Drought Categories 49
Figure 4.2.3: Drought in Scioto County from 2000 to 2025 50
Table 4.2.4: Periods of Drought with High Severity Index 50
Table 4.2.5: Structure and Population Vulnerability from Heat Wave 52
Table 4.2.6: Scioto County Crop Yields 2017 - 2022 53
Table 4.3.1: Modified Mercalli Intensity Scale 55
Figure 4.3.2: Ohio Faults and Seismic Zones 56
Figure 4.3.3: Earthquake Epicenters and Seismic Monitoring Stations in Ohio 57
Figure 4.3.4: Earthquake Shaking and Seismic Design Categories 59
Figure 4.3.5: 2014 Seismic Hazard Map of the State of Ohio 60
Table 4.3.6: Structure and Population Vulnerability from Heat Wave 61

Figure 4.4.1: Flood Hazard Map of Scioto County, Ohio 64
Table 4.4.2: National Flood Insurance Program Participation for Scioto County, Ohio 65
Table 4.4.3: Repetitive Loss Properties in Scioto County, Ohio 65
Figure 4.4.4: Probability of Flooding 68
Figure 4.4.5: Probability and Cost of Flooding 68
Table 4.4.6: Structure and Population Vulnerability from Riverine Flooding 69
Figure 4.5.1: Spongy Moth (*Lymantria dispar*) 73
Figure 4.5.2: Asian Long-horned Tick (*Haemaphysalis longicornis*) 73
Table 4.5.3: Plant Invasive Species in Ohio as of January 7, 2018 73
Table 4.5.4: Aquatic Invasive Species in Ohio 75
Figure 4.6.1: ODNR Karst Interactive Map 80
Figure 4.6.2: Karst Geology Impacted Area by Bedrock and Glacial Drift Overlay 81
Figure 4.6.3: Landslide Incidence and Susceptibility Map 82
Figure. 4.6.4: Abandon Mine Locations and Insurance Availability 83
Figure 4.6.5: Landslide Incidence and Susceptibility Map 84
Figure 4.6.6: AUMIRA Dashboard for Scioto County 86
Figure 4.6.7: Landslide Dashboard for Scioto County 86
Figure 4.6.8: Rock Slopes Dashboard for Scioto County 87
Table 4.6.9: Insurance Claims and Payments 87
Table 4.6.10: Structure and Population Vulnerability from Landslides 88
Table 4.7.1: Thunderstorm-Related Events in Scioto County since 1995 91
Figure 4.7.2: Severe Summer Storm Probability 93
Table 4.7.3: Structure and Population Vulnerability from Hail 94
Table 4.7.4: Structure and Population Vulnerability from Lightning 95
Table 4.7.5: Structure and Population Vulnerability from Strong Winds 96
Table 4.8.1: Severe Winter Related Events in Scioto County since 1995 99
Figure 4.8.2: Severe Winter Weather Probability 100
Table 4.8.3: Structure and Population Vulnerability from Cold Wave 102
Table 4.8.4: Structure and Population Vulnerability from Ice Storm 102
Table 4.8.5: Structure and Population Vulnerability from Winter Weather 103
Table 4.9.1: Fujita and Enhanced Fujita Scale Classifications 106
Figure 4.9.2: Worst Case Tornado Scenario 107
Table 4.9.3: Structure and Population Vulnerability from Tornadoes 110
Figure 4.10.1: Ohio Wildfire Protection Areas 113
Figure 4.10.2: Wildfire Risk for Scioto County 114

Table 4.10.3: Structure and Population Vulnerability from Wildfire 115
Table 5.1.1: Scioto County Hazard Priorities 118
Table 5.1.2: City of Portsmouth Hazard Priorities 118
Table 5.1.3: Village of New Boston Hazard Priorities 119
Table 5.1.4: Village of Otway Hazard Priorities 119
Table 5.1.5: Village of Rarden Hazard Priorities 119
Table 5.1.6: Village of South Webster Hazard Priorities 120
Table 5.2.1: Mitigation Actions Priority Table by Hazard for Scioto County 123
Table 5.2.2: Mitigation Actions Priority Table by Hazard for City of Portsmouth 129
Table 5.2.3: Mitigation Actions Priority Table by Hazard for Village of New Boston 131
Table 5.2.4: Mitigation Actions Priority Table by Hazard for Village of Otway 133
Table 5.2.5: Mitigation Actions Priority Table by Hazard for Village of Rarden 135
Table 5.2.6: Mitigation Actions Priority Table by Hazard for Village of South Webster 137

1| Introduction

1.1 Overview

With the 2020 Scioto County Hazard Mitigation Plan set to expire in October of 2025, Scioto County and its constituents are aiming to adopt a new, updated hazard mitigation plan. As outlined in the Disaster Mitigation Act of 2000 (DMA2K), any local jurisdiction seeking funding from the Federal Emergency Management Agency (FEMA) must maintain an up-to-date disaster mitigation plan. This Plan meets the criteria as set forth by FEMA in the DMA2K and provides the County and its participating jurisdictions with a comprehensive guide for future mitigation efforts to combat the hazards that affect their communities.

Natural, geological, and human-caused hazards pose a variety of risks to the lives, businesses, and properties within Scioto County. As such, a Core Planning Committee within Scioto County has been established with the goal of developing and implementing the 2026 Scioto County Hazard Mitigation Plan. Through cooperative efforts between local, county, state, and federal government agencies, this Plan is designed to minimize the adverse effects of hazardous events on the lives and properties of residents of Scioto County.

This 2026 Scioto County Hazard Mitigation Plan is a multi-jurisdictional plan which considers the impacts of hazards on incorporated cities and villages and unincorporated townships. Scioto County's jurisdictions and townships are listed below in **Tables 1.1.1 and 1.1.2**. These areas are also displayed in **Figure 1.1.3** on the following page. The Plan is designed for a five-year implementation period and describes the methods and procedures utilized in its development, provides the results of community involvement activities such as survey collection, identifies the mitigation activities determined to be most important to the County, and establishes a timeline for the implementation of the actions.

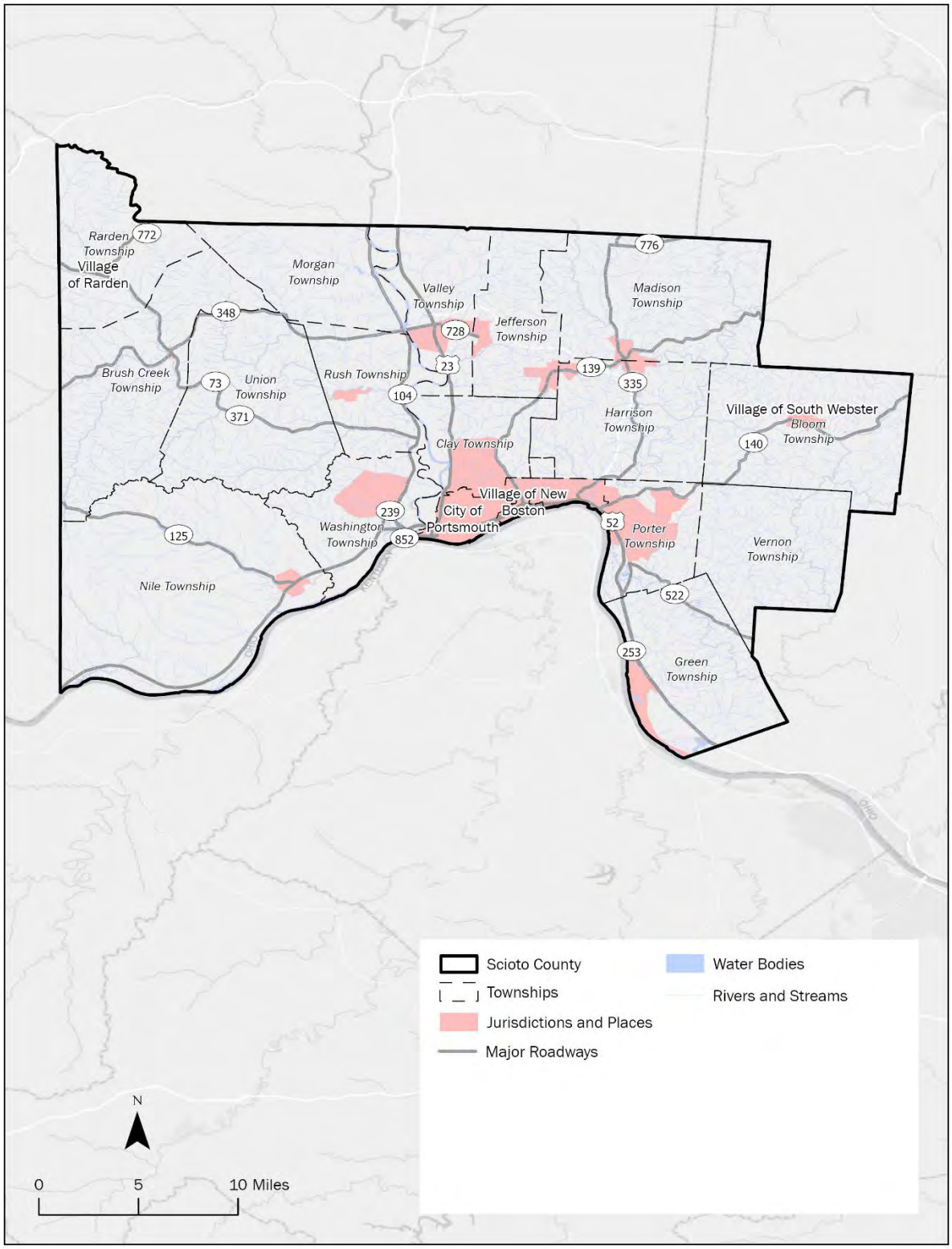
Table 1.1.1: Scioto County Jurisdictions

Jurisdictions	
City of Portsmouth	Village of Rarden
Village of New Boston	Village of South Webster
Village of Otway	

Table 1.1.2: Scioto County Townships

Townships	
Bloom Township	Nile Township
Brush Creek Township	Porter Township
Clay Township	Rarden Township
Green Township	Rush Township
Harrison Township	Union Township
Jefferson Township	Valley Township
Madison Township	Vernon Township
Morgan Township	Washington Township

Figure 1.1.3: Scioto County Jurisdictions Map



This Plan is comprised of six chapters, which detail the methods, analysis, and discussion surrounding the various hazards that threaten Scioto County and its jurisdictions. These chapters are as follows:

- This **Introduction** (Chapter 1) provides a discussion about the general purpose and goals that Scioto County wishes to achieve throughout the development and implementation of this Plan. This section also includes a summary of the Plan's contents.
- Chapter 2, **History and Demographics**, includes a description of Scioto County and each participating jurisdiction, including their history, population, and other general information.
- Chapter 3, **Planning Process**, details the process for the development of this Plan. This section includes details about the process used to develop this Plan, including a description of who participated, how the community was involved, which hazards were included in the Plan and why, as well as how the Plan was developed through public meetings, reviews, and evaluations. This section also details the review and incorporation of existing plans, studies, reports, and technical information.
- Chapter 4 contains the **Hazard Identification and Risk Assessment (HIRA)**. This section provides detailed descriptions and a corresponding analysis for each hazard that could potentially affect Scioto County. The nature, location, extent, historical impact, vulnerability, and likelihood of occurrence for each hazard are provided for each hazard. These analyses include the types and numbers of existing and future buildings, infrastructure, and critical facilities located in the identified hazard areas; an estimate of the potential dollar losses to vulnerable structures; and a general description of land uses and development trends within the community.
- Chapter 5, **Hazard Mitigation**, outlines the goals, strategies, and actions for the County. The proposed actions are presented in tables, categorized by the associated hazard and community, and then ranked from highest to lowest priority based on feedback received from County officials and participating jurisdictions and stakeholders. Excluded hazards are also documented in this section, along with the rationale for exclusion from the Plan.
- The final chapter (Chapter 6) of this Plan, **Schedule and Maintenance**, provides a summary of the proposed Plan adoption, integration, and maintenance schedule. This section describes how the County will review and revise its plan to reflect changes in development, progress in local mitigation efforts, and changes in priorities, and resubmit it for approval within five years to continue to be eligible for mitigation project grant funding.

The resulting Scioto County Hazard Mitigation Plan will be submitted to the Ohio Emergency Management Agency (Ohio EMA) and subsequently FEMA for their review. Following the agency review, the jurisdictions will then review the Plan for adoption. This hazard mitigation plan serves as a helpful tool for citizens, policymakers, local businesses, and other local stakeholders who all share a public interest in keeping Scioto County as safe and resilient as possible. As such, this Plan aims to:

- Minimize property damage, economic loss, injury, and loss of human life – to achieve the Plan's main goal of reducing the impact of natural and manmade hazards on the County's economy and the well-being of its citizens.
- Enhance public awareness and education – to widen the public's understanding of natural and manmade hazards and how they might affect public health and safety, the environment, the local economy, and basic day-to-day operations.
- Coordinate inter-jurisdictional preparedness measures – to encourage and ensure multi-jurisdictional cooperation in County-wide mitigation actions and programs so that they may be implemented efficiently and effectively.

- Provide decision-making tools for interested stakeholders – to formulate a comprehensive, updated analysis of Scioto County's vulnerability to hazards so that decision-makers can better prepare for natural and manmade disasters.
- Achieve regulatory compliance – to ensure that the County and its political subdivisions meet state and federal mitigation planning requirements so that they may be eligible to participate in and receive funding from grant programs, policies, and regulations.

1.2 Setting

Scioto County is in the southern-most region of Ohio and has a total area of approximately 616 square miles. The County contains one city, four villages, and sixteen townships (**Tables 1.1 and 1.2**). The City of Portsmouth serves as the County seat. Scioto County is bounded by four Ohio counties: Pike to the north, Jackson to the northeast, Lawrence to the east, and Adams to the west. It is also bounded by two Kentucky counties to the south: Greenup and Lewis.

Land use patterns in Scioto County are shown in **Figure 1.2.1**. Land use types include residential, agricultural, industrial, commercial, parks/open space, transportation, public/semipublic land, and vacant. Land cover in Scioto County is shown in **Figure 1.2.2**. Land cover types include developed land, forest, shrub/scrub, grassland, pasture/hay, cultivated crops, and wetlands.

Figure 1.2.1: Scioto County Land Use Map

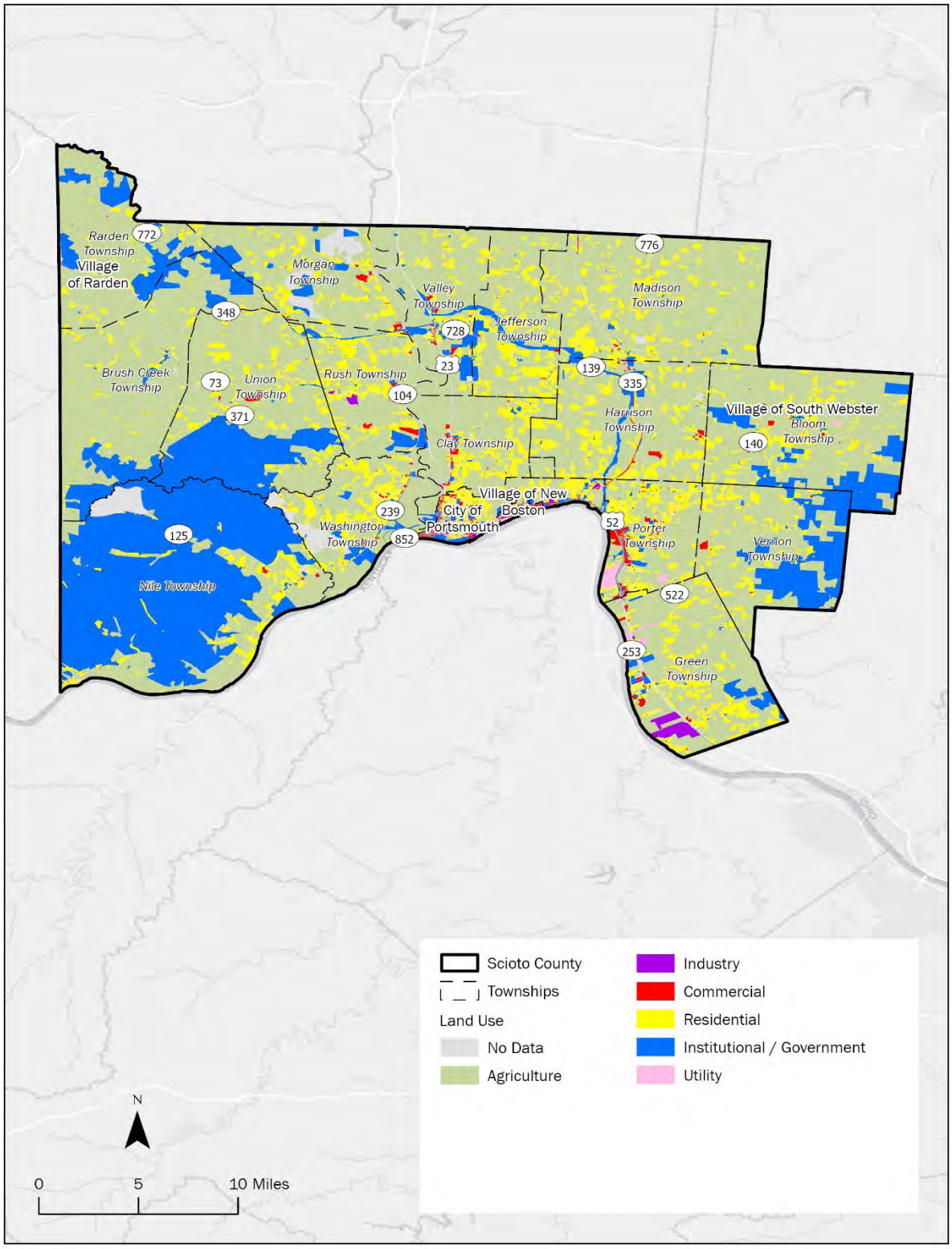
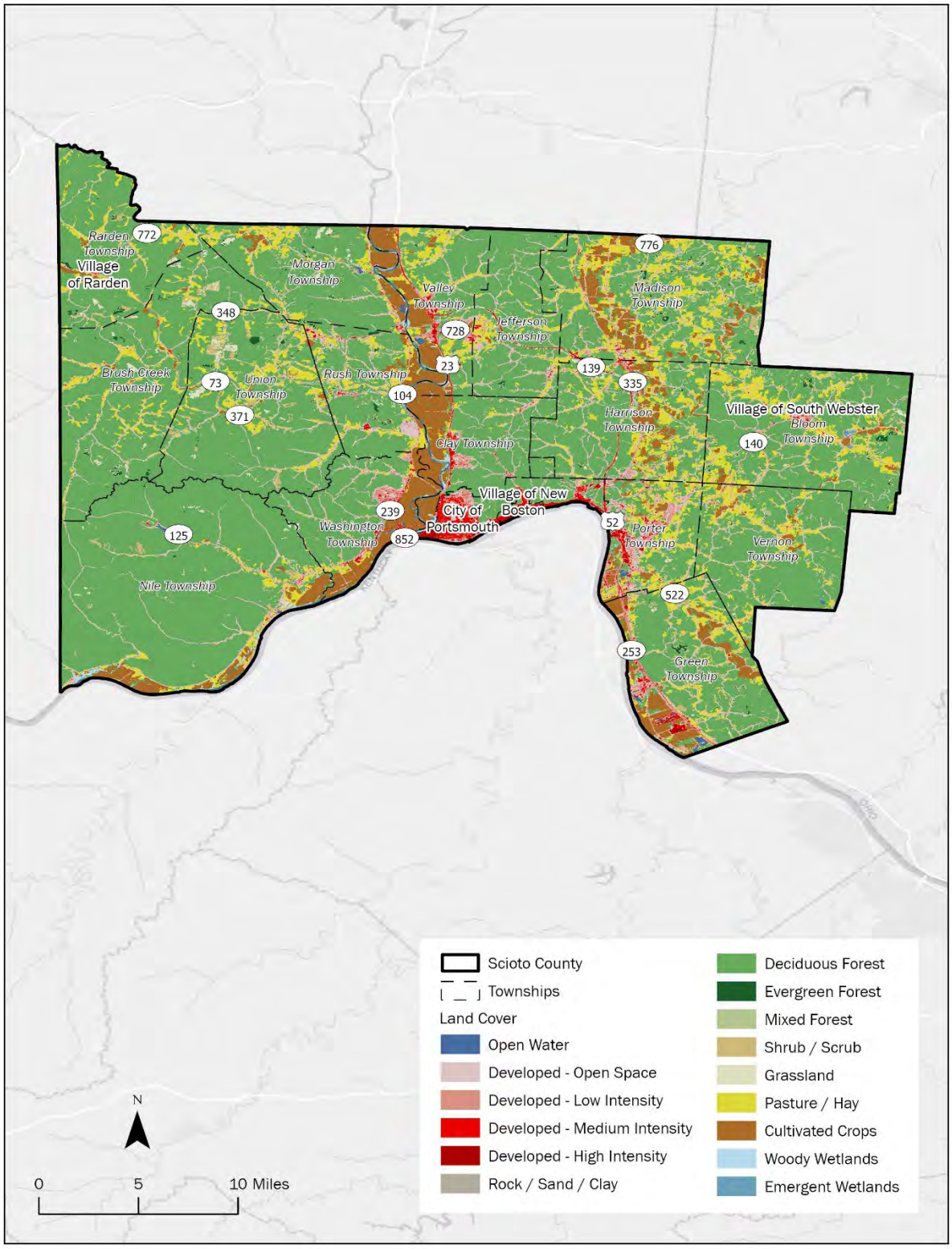


Figure 1.2.2: Scioto County Land Cover Map



1.3 Region Features

Transportation

Scioto County contains several major roadways, including several State Routes (SR) and two U.S. Highways (US). No interstates (I) run through the County. Major roadways in Scioto County include SR-73, SR-104, SR-125, SR-139, SR-140, SR-239, SR-253, SR-348, SR-335, SR-371, SR-522, SR-728, SR-772, SR-776, SR-823, SR-852, US-23, and US-52.

Scioto County has one airport that offers general aviation services, Greater Portsmouth Regional Airport, which is located 12 miles northeast of the City of Portsmouth. No commercial-service airports are located within the County.

Norfolk Southern Corporation has two rail lines in Scioto County. The first runs northwest to southeast beginning in the Village of Rarden, then traveling through Portsmouth, before exiting the County in the south into Kentucky. The second line runs North to South, entering after Wetmore in Pike County, and then travels south to Portsmouth where it joins the other line. CSX Corporation also has a line running north to south, terminating around Camp Bennett.

Natural Features

Table 1.3.1 below lists Scioto County's several parks and nature areas.

Table 1.3.1: Parks & Nature Areas in Scioto County, Ohio

Parks & Nature Areas	
Alexandria Point Park	Millbrook Park
Allard Park	Mound Park
Bannon Park	Nile Township Community Park
Buckeye Park	Porter Township Community Park
Cyndee Secrest Park	Raven Rock State Nature Preserve
Doug Coleman Splash Pad	Scioto Brush Creek State Nature Preserve
Dr. Hartlage Park	Shawnee State Park
Dr. Singleton Park	Three Bridges Park
Earl Thomas Conley Riverside Park	Tracy Park
Gladys Riley Golden Star Lily State Preserve	Wayne National Forest
Larry Hisle Park	Weghorst Skate Park
Labold Park	York Park
Martha Burton Park	

Scioto County also has several streams and water bodies which are listed in Table 1.3.2 below.

Table 1.3.2: Scioto County Streams and Water Bodies

Water Bodies	
Abe Run	McConnel Creek
Ash Run	McCullough Creek

Water Bodies	
Back Run	Middle Fork Pond Run
Bald Knob Run	Miller Run
Barbara Run	Millstone Run
Bear Creek	Moore Run
Bear Creek Lake	Mullen Run
Bear Run	Mundy Run
Beech Fork	Munn Run
Bellamy Run	Nace Run
Big Run	Nauvoo Run
Bloody Run	North Fork Lick Run
Bloom Furnace Creek	Odell Creek
Blue Ash Run	Oilspring Branch
Blue Run	Old Lade Run
Boland Run	Old Pond Run
Bonser Run	Oven Lick
Brady Run	Pattersons Run
Bronze Run	Patton Run
Brouse Run	Pine Creek
Brush Fork	Plummer Fork
Brushy Fork	Pond Creek
Brushy Fork Upper Twin Creek	Pond Lick Lake
Buck Lick	Pond Lick Run
Buck Run	Pond Run
Buckhorn Creek	Poplar Fork Pine Creek
Bucklick Creek	Rabbit Run
Bull Run	Rarden Creek
Camp Creek	Reeds Run
Canada Run	Right Fork Bear Creek
Candy Run	Rock Lick
Careys Run	Rocky Fork
Carroll Run	Roosevelt Way
Chambers Run	Salome Run

Water Bodies	
Chandlers Run	Salters Creek
Cockrell Run	Saw Pit Run
Davis Run	Scantling Run
Devers Run	Scioto Brush Creek
Dry Fork	Scioto Hills Baptist Camp Lake
Dry Run	Scioto River
Duck Run	Sheep Pen Run
Duncan Hollow Creek	Sheldon Run
East Branch McCullough Creek	Shell Creek
East Fork Pond Run	Shepherd Fork Dry Creek
East Fork Upper Twin Creek	Skull Creek
Elks Country Club Lake	Slab Run
Fallen Timber Creek	Slate Run
Falls Creek	South Webster Reservoir
Frederick Creek	South Fork Scioto Brush Creek
Gabe Run	Spellacy Run
Ginat Creek	Spencer Run
Glade Run	Sperry Fork
Goose Creek	Spruce Run
Grass Lick Run	Staley Run
Hales Creek	Stony Run
Harber Fork Tukey Creek	Straight Fork Bear Creek
Harrison Furnace Creek	Sturgeon Run
Higgins Run	Sugar Camp Creek
Hockenberry Hollow	Sugarcamp Creek
Horner Branch Upper Twin Creek	Sugarcamp Run
Howard Run	Sulphur Lick
Hygean Run	Swauger Valley Run
Jackson Fork	Sweeny Run
Jacquays Run	Sweet Run
Jake Run	Tattle Creek
Jessie Run	Thompson Run

Water Bodies	
Kizzie Run	Tucker Run
Lake Frasure	Turkey Creek
Lake Margaret	Turkey Creek Lake
Lampblack Run	Turkeyfoot Run
Laurel Fork	Up Run
Laurel Lick Run	Upper Lick
Left Fork Bear Creek	Upper Twin Creek
Lick Run	Vansaws Run
Lick Run Lick Run	Vaughters Run
Liston Run	Wallers Gut
Little Scioto River	Wards Run
Little Spruce Run	Watts Run
Long Fork Bear Creek	Wes Run
Long Run	Whites Run
Lousy Run	Wolf Run
Lower Lick	Wolfden Lake
Lower Twin Creek	Wolfden Run
Mackletree Tree	Worley Run
McAtee Run	Wrights Run
McBride Lake	Yankee Run
McBride Run	Youngs Branch

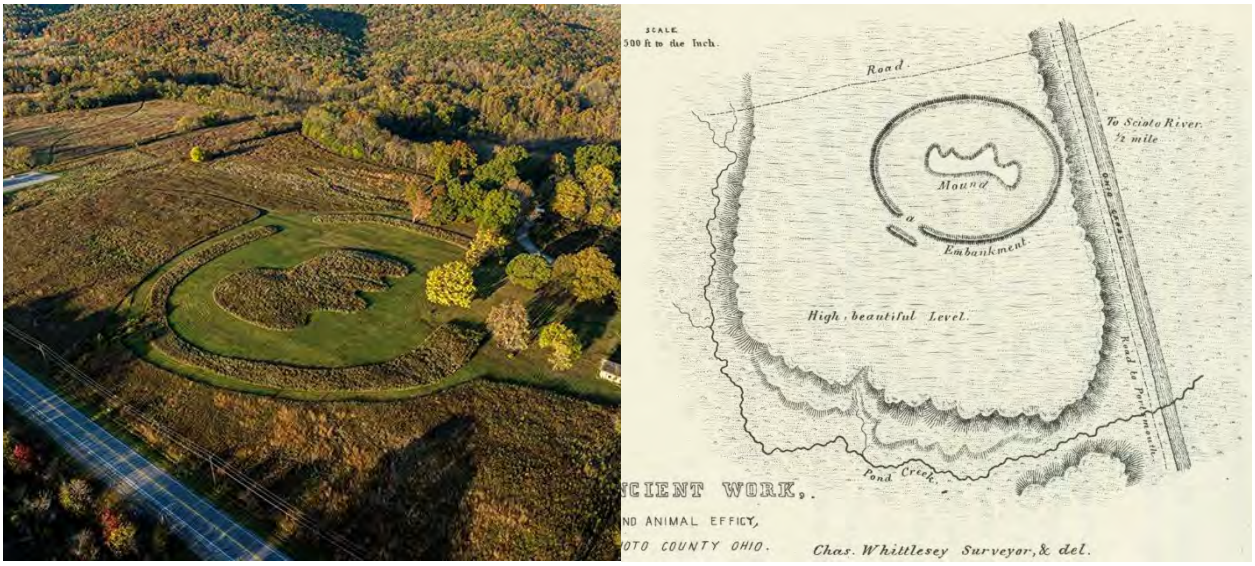
2 | History & Demographics

2.1 History

Scioto County is a rural county in south central Ohio. The County has a total area of 616 square miles, of which 610 square miles are land, and 5.9 square miles are water. Scioto County is the eighth largest county in Ohio. The County was established on March 24, 1803, when the State of Ohio authorized its creation. Scioto County is named after the Native word that means “deer” due to the plentiful deer in the area.

Scioto County has 44 properties listed on the National Register of Historic Places, with the first property being entered in 1972. The Temper Mound (**Figure 2.1.1**,) is a 706-acre preserve that is home to a 2000-year-old Hopewell Earthwork. The mounds are located near the City of Portsmouth. The mounds have an irregularly shaped eight-foot-tall mound and an oval earthen wall that was 500 feet across. These were built by the Hopewell Natives for ceremonial and religious purposes.

Figure 2.1.1: Temper Mound



Source: Arc of Appalachia (Left) and Scioto Historical (Right)

2.2 Communication Outlets

Scioto County's primary communication outlets including websites, television, and social media are listed in **Table 2.2.1**, below:

Table 2.2.1: Communication Outlets and Social Media

Communication Type	Source
Website	Scioto County: https://www.sciotocountyoh.com/ Scioto County EMA: https://www.sciotoema.com/ Scioto County Health Department: https://sciotocountyhealth.com/ Scioto County Sherriff's Office: https://www.sciotocountysheriff.org/ The American Red Cross Tri-State-Portsmouth, OH: https://www.redcross.org/local/west-virginia/about-us/locations/portsmouth.html?srsltid=AfmBOoqd2hTr7Im5ASfES_XYiEx05DDn9jTezIL7hGYHvNwVZ5RBxO2j
Social media	Scioto County EMA: https://www.facebook.com/scioto.ema/ Scioto County Public Health: https://www.facebook.com/sciotocountyhealthdepartment/ Scioto County Sheriff: https://www.facebook.com/SciotoCountySheriff/
News/ Newspaper	Portsmouth Daily Times: https://www.portsmouth-dailytimes.com/ The Scioto Voice: http://www.thesciotovoice.com Scioto County Daily News: https://sciotocountydailynews.com/ Scioto Post: https://www.sciotopost.com/ W239CQ 95.7 FM WNXT 99.3 FM; 1260 AM WSAZ3: https://www.wsaz.com/ WZZZ 107.5 FM WIOI AM; 92.1 FM

2.3 Demographics Overview

This section provides select demographic information to help identify strategies to better serve the County residents during emergency hazard events. The information can be used to understand potential vulnerabilities in subgroups of the population. For example, knowing the number of senior citizens that live alone and that may require additional assistance during an emergency can help assistance organizations anticipate where additional services may be needed.

Table 2.3.1, below, provides a summary of the total population changes that have occurred in Scioto County between the 2010 U.S. Census and the 2023 5-Year American Community Survey (ACS) Estimates based on census data. According to the U.S. Census, Scioto County's population decreased by 6,381 people (-8.03 percent) between 2010 and 2023. For comparison, the U.S. population grew 9.04 percent and Ohio's population grew 2.49 percent during that period. Thirteen townships – Bloom, Clay, Green, Harrison, Jefferson, Madison, Morgan, Nile, Porter, Rarden, Rush, Valley, and Washington townships – experienced population decrease. Of the townships experiencing population decline, Rarden Township experienced the greatest population decline with a decrease of 590 people (-47.24 percent).

A more detailed description of population, housing, and income demographics for Scioto County and each city and village jurisdiction is provided on the following pages.

Table 2.3.1: County And Township Population Growth Estimates Between 2010 Census and 2023 5-Year ACS Estimates

County/Township	Total Population 2010 Census	Total Population 2023 Estimate	2010-2023	
			Population Change	Percent Change
Scioto County	79,499	73,118	-6,381	-8.03%
Bloom Township	3,235	2,694	-541	-16.72%
Brush Creek Township	1,199	1,247	48	4.00%
Clay Township	3,690	3,487	-203	-5.50%
Green Township	4,381	4,090	-291	-6.64%
Harrison Township	4,548	4,203	-345	-7.59%
Jefferson Township	2,797	2,561	-236	-8.44%
Madison Township	4,106	3,865	-241	-5.87%
Morgan Township	2,520	2,172	-348	-13.81%
Nile Township	2,388	1,811	-577	-24.16%
Porter Township	9,918	9,679	-239	-2.41%
Rarden Township	1,249	659	-590	-47.24%
Rush Township	3,171	2,858	-313	-9.87%
Union Township	2,241	2,445	204	9.10%
Valley Township	3,874	3,567	-307	-7.92%
Vernon Township	2,129	2,242	113	5.31%
Washington Township	5,555	5,227	-328	-5.90%

Social Vulnerability Index Score

The Social Vulnerability Index Score is a component of the Center for Disease Control and Prevention (CDC) and Agency for Toxic Substances and Disease Registry (ATSDR) Social Vulnerability Index (SVI) that measures the susceptibility (risk) of social groups to the adverse impacts of natural hazards that may result in disproportionate deaths, injury, loss, or disruption of livelihood. As FEMA explains, the "Social Vulnerability score considers the social, economic, demographic, and housing characteristics of a community that influence its ability to prepare for, respond to, cope with, recover from, and adapt to environmental hazards. The score and rating represent the relative level of a community's social vulnerability compared to all other communities at the same level (e.g., county level). A community's Social Vulnerability score is proportional to a community's risk. A higher Social Vulnerability score results in a higher Risk Index score."

According to the Center for Disease Control and Prevention (CDC) and Agency for Toxic Substances and Disease Registry (ATSDR) Social Vulnerability Index (SVI) Scioto County has a calculated Social Vulnerability Index of 0.97 (on scale of 0 to 1) on a state level, which is considered a medium to high susceptibility to the adverse impacts of natural hazards when compared to the rest of the U.S. For comparison, Ohio's average Social Vulnerability Index is 0.50 on a state level. Table 2.3.2 reports the SVI scores for Socioeconomic status, housing type and transportation, race and ethnic minority status, and household characteristics for Scioto County and Ohio at both the state and nation levels.

The score is calculated using U.S. Census data for 16 social factors, which research literature suggests contributes to the reduction in a community's ability to prepare for, respond to, and recover from hazards, thus making the community more vulnerable. Each county is subdivided into census tracts and each census tract is ranked on the 16 social factors. The 16 social factors are organized into four themes. Each census track is ranked separately for each theme and receives an overall ranking. The four themes and social factors are described below according to the CDC/ATSDR Social Vulnerability Index:

1. **Socioeconomic Status**: this theme covers socioeconomic status, such as households with income below the 150-percentile poverty level, employment status, housing cost burden, high school diploma status, and if the household has health insurance.
2. **Housing Type and Transportation:** this theme covers multi-unit structures, mobile homes, crowding within households, households without a vehicle, and group quarters.
3. **Race and Ethnic Minority Status:** this theme covers the percentage of Hispanic or Latino (of any race); Black and African American (not Hispanic or Latino); American Indian and Alaska Native (not Hispanic or Latino); Native Hawaiian and Other Pacific Islander (not Hispanic or Latino); Two or More Races (not Hispanic or Latino); Other Races (not Hispanic or Latino).
4. **Household Characteristics:** this theme covers the elderly population (65 and older), children under 17 years of age, civilians with a disability, single-parent households, and the household's English language proficiency.

Table 2.3.2 Social Vulnerability Score per Theme for Scioto County and Ohio

Theme	Scioto County (Statewide)	Ohio (Statewide)	Scioto County (Nationwide)	Ohio (Nationwide)
Socioeconomic Status	0.97	0.50	0.80	0.37
Housing Type and Transportation	1	0.50	0.91	0.42
Race and Ethnic Minority Status	0.40	0.50	0.19	0.28

Theme	Scioto County (Statewide)	Ohio (Statewide)	Scioto County (Nationwide)	Ohio (Nationwide)
Household Characteristics	0.29	0.50	0.46	0.40

2.4 Community Profiles

Scioto County

Scioto County is located in south central Ohio, and it is part of the Portsmouth, OH Micropolitan Statistical Area. As of the 2023 5-Year ACS Estimates (census), the population was 73,188 making it the 35th most populated county in Ohio. The City of Portsmouth is the largest city and serves as the County seat.

Tables 2.4.1 to 2.4.6 summarize Scioto County's population, housing statistics, and income statistics. There are 28,637 households of which 23.9 percent have at least one member under 18 years of age, and 34.6 percent have members 65 years and over. The largest percentage of households (16.2 percent) had an income between $50,000 to $74,999; approximately 6.1 percent of households had an annual income of less than $10,000. In 2023, the largest racial group in the Scioto County was the White (non-Hispanic) group, which makes up 92.3 percent of the population. Two or More Races is the second largest race (3.0 percent). Approximately 0.60 percent of the city's population speak Spanish at home. In addition, 0.26 percent speak another Indo-European language, 0.46 percent speak an Asian and Pacific Island language, and 0.02 percent speak another language.

Table 2.4.1: Scioto County Population by Age Statistics 2023 ACS 5-Year Estimates

Age	Number	Percentage
Total Population	73,118	100%
Under 18 Years	15,893	21.74%
18 to 24 Years	6,292	8.61%
25 to 34 Years	9,384	12.83%
35 to 44 Years	8,883	12.15%
45 to 54 Years	9,333	12.76%
55 to 64 Years	9,804	13.41%
65 Years and Over	13,529	18.50%

Table 2.4.2: Scioto County Housing Statistics 2023 ACS 5-Year Estimates

Housing Statistics	Number	Percentage
Total Housing Units	33,153	100%
Occupied Housing Units	28,637	86.38%
Housing Units - Mobile Homes	3,831	13.38%
Vacant Housing Units	4,516	13.62%

Table 2.4.3: Scioto County Household Statistics 2023 ACS 5-Year Estimates

Household Statistics	Number	Percentage
Total Households	28,637	-
Average Household Size	2.44	-
Households with People Under 18 Years	6,832	23.86%
Households with People 65+ Years	9,908	34.60%
Householder Living Alone 65+ Years	4,496	15.70%
No Vehicle Available	1,998	6.98%
With a Broadband Internet Subscription	24,238	84.64%

Table 2.4.4: Scioto County Population by Race and Ethnicity Statistics 2023 ACS 5-Year Estimates

Race and Ethnicity	Number	Percentage
Total Population	73,118	100%
White	67,520	92.34%
Black or African American	1,759	2.41%
American Indian and Alaska Native	58	0.08%
Asian	356	0.49%
Native Hawaiian and other Pacific Islander	18	0.02%
Some Other Race	110	0.15%
Two or More Races	2,204	3.01%
Hispanic or Latino (of any race)	1,093	1.49%

Table 2.4.5: Scioto County Language Spoken at Home Statistics 2023 ACS 5-Year Estimates

Language Statistics	Number	Percentage
Total Population (over 5 years old)	69,175	100%
English only	68,248	98.66%
Spanish	416	0.60%
Other Indo-European languages	179	0.26%
Asian and Pacific Island languages	317	0.46%
Other languages	15	0.02%

Table 2.4.6: Scioto County Household Income Statistics 2023 ACS 5-Year Estimates

Household Income Statistics	Number of Households
Less than $10,000	6.10%
$10,000 to $14,999	8.70%
$15,000 to $24,999	13.30%
$25,000 to $34,999	8.80%
$35,000 to $49,999	13.50%
$50,000 to $74,999	16.20%
$75,000 to $99,999	10.70%
$100,000 to $149,999	13.30%
$150,000 to $199,999	5.70%
$200,000 or more	3.70%
Median Household Income	$49,571
Mean Household Income	$68,069

City of Portsmouth

Tables 2.4.7 to 2.4.12 summarize the City of Portsmouth's population, housing statistics, and income statistics. There are 7,327 households of which 21.1 percent have at least one member under 18 years of age, and 34.7 percent have members 65 years and over. The largest percentage of households (15.9 percent) had an income between $15,000 to $24,999; approximately 10.1 percent of households had an annual income of less than $10,000. In 2023, the largest racial group in the City of Portsmouth was the White (non-Hispanic) group, which makes up 83.9 percent of the population. Two or More Races is the second largest race (6.1 percent). Approximately 1.2 percent of the city's population speak Spanish at home. In addition, 0.79 percent speak another Indo-European language, 0.74 percent speak an Asian and Pacific Island language, and 0.09 percent speak another language.

Table 2.4.7: City of Portsmouth Population by Age 2022 ACS 5-Year Estimates

Age	Number	Percentage
Total Population	17,919	100%
Under 18 Years	3,754	20.95%
18 to 24 Years	2,318	12.94%
25 to 34 Years	2,626	14.65%
35 to 44 Years	1,837	10.25%
45 to 54 Years	1,882	10.50%
55 to 64 Years	2,160	12.05%
65 Years and Over	3,342	18.65%

Table 2.4.8: City of Portsmouth Housing Statistics 2023 ACS 5-Year Estimates

Housing Statistics	Number	Percentage
Total Housing Units	8,508	100%
Occupied Housing Units	7,327	86.12%
Housing Units - Mobile Homes	118	1.61%
Vacant Housing Units	1,181	13.88%

Table 2.4.9: City of Portsmouth Household Statistics 2023 ACS 5-Year Estimates

Household Statistics	Number	Percentage
Total Households	7,327	-
Average Household Size	2.29	-
Households with People Under 18 Years	1,543	21.06%
Households with People 65+ Years	2,542	34.70%
Householder Living Alone 65+ Years	1,355	18.50%
No Vehicle Available	981	13.39%
With a Broadband Internet Subscription	6,142	83.83%

Table 2.4.10: City of Portsmouth Race and Ethnicity Statistics 2023 ACS 5-Year Estimates

Race and Ethnicity	Number	Percentage
Total Population	17,919	100%
White	15,040	83.93%
Black or African American	809	4.51%
American Indian and Alaska Native	19	0.11%
Asian	223	1.24%
Native Hawaiian and other Pacific Islander	11	0.06%
Some Other Race	73	0.41%
Two or More Races	1,093	6.10%
Hispanic or Latino (of any race)	651	3.63%

Table 2.4.11: City of Portsmouth Language Spoken at Home Statistics 2023 ACS 5-Year Estimates

Language Statistics	Number	Percentage
Total Population (over 5 years old)	16,790	100%
English only	16,316	97.18%
Spanish	203	1.21%
Other Indo-European languages	132	0.79%
Asian and Pacific Island languages	124	0.74%
Other languages	15	0.09%

Table 2.4.12: City of Portsmouth Income Statistics 2023 ACS 5-Year Estimates

Household Income Statistics	Percentage of Households
Less than $10,000	10.10%
$10,000 to $14,999	12.00%
$15,000 to $24,999	15.90%
$25,000 to $34,999	11.70%
$35,000 to $49,999	14.10%
$50,000 to $74,999	14.10%
$75,000 to $99,999	6.60%
$100,000 to $149,999	9.70%
$150,000 to $199,999	3.20%
$200,000 or more	2.60%
Median Household Income	$35,319
Mean Household Income	$55,522

Village of New Boston

Tables 2.4.13 to 2.4.18 summarize the Village of New Boston's population, housing statistics, and income statistics. There are 1,013 households of which 16.4 percent have at least one member under 18 years of age, and 41.9 percent have members 65 years and over. The largest percentage of households (19.8 percent) had an income between $15,000 to $24,999; approximately 10.4 percent of households had an annual income of less than $10,000. In 2023, the largest racial group in the Village of New Boston was the White (non-Hispanic) group, which makes up 98.2 percent of the population. Black or African American is the second largest race (1.1 percent). Approximately 0.41 percent speak an Asian and Pacific Island language.

Table 2.4.13: Village of New Boston Population by Age 2023 ACS 5-Year Estimates

Age	Number	Percentage
Total Population	2,392	100%
Under 18 Years	643	26.88%
18 to 24 Years	205	8.57%
25 to 34 Years	181	7.57%
35 to 44 Years	224	9.36%
45 to 54 Years	372	15.55%
55 to 64 Years	317	13.25%
65 Years and Over	450	18.81%

Table 2.4.14: Village of New Boston Housing Statistics 2023 ACS 5-Year Estimates

Housing Statistics	Number	Percentage
Total Housing Units	1,169	100%
Occupied Housing Units	1,013	86.66%
Housing Units - Mobile Homes	4	0.39%
Vacant Housing Units	156	13.34%

Table 2.4.15: Village of New Boston Household Statistics 2023 ACS 5-Year Estimates

Household Statistics	Number	Percentage
Total Households	1,013	-
Average Household Size	2.35	-
Households with People Under 18 Years	166	16.39%
Households with People 65+ Years	424	41.90%
Householder Living Alone 65+ Years	233	23.00%
No Vehicle Available	248	24.48%
With a Broadband Internet Subscription	842	83.12%

Table 2.4.16: Village of New Boston Race and Ethnicity Statistics 2023 ACS 5-Year Estimates

Race and Ethnicity	Number	Percentage
Total Population	2,392	100%
White	2,349	98.20%
Black or African American	26	1.09%
American Indian and Alaska Native	0	0%
Asian	0	0%
Native Hawaiian and other Pacific Islander	0	0%
Some Other Race	0	0%
Two or More Races	17	0.71%
Hispanic or Latino (of any race)	0	0%

Table 2.4.17: Village of New Boston Language Spoken at Home Statistics 2023 ACS 5-Year Estimates

Language Statistics	Number	Percentage
Total Population (over 5 years old)	2,179	100%
English only	2,170	99.59%
Spanish	0	0%
Other Indo-European languages	0	0%
Asian and Pacific Island languages	9	0.41%
Other languages	0	0%

Table 2.4.18: Village of New Boston Income Statistics 2023 ACS 5-Year Estimates

Household Income Statistics	Percentage of Households
Less than $10,000	10.40%
$10,000 to $14,999	19.00%
$15,000 to $24,999	19.80%
$25,000 to $34,999	9.80%
$35,000 to $49,999	11.90%
$50,000 to $74,999	19.10%
$75,000 to $99,999	3.80%
$100,000 to $149,999	3.60%
$150,000 to $199,999	2.70%
$200,000 or more	0%
Median Household Income	$25,759
Mean Household Income	$38,139

Village of Otway

Tables 2.4.19 to 2.4.24 summarize the Village of Otway's population, housing statistics, and income statistics. There are 20 households of which 45 percent have members 65 years and over. The largest percentage of households (30.0 percent) had an income between $35,000 to $49,999; approximately 10.0 percent of households had an annual income of less than $10,000. In 2023, the largest racial group in the Village of Otway was the White (non-Hispanic) group, which makes up 100 percent of the population.

Table 2.4.19: Village of Otway Population by Age 2023 ACS 5-Year Estimates

Age	Number	Percentage
Total Population	62	100%
Under 18 Years	21	33.87%
18 to 24 Years	5	8.06%
25 to 34 Years	2	3.23%
35 to 44 Years	2	3.23%
45 to 54 Years	10	16.13%
55 to 64 Years	13	20.97%
65 Years and More	9	14.52%

Table 2.4.20: Village of Otway Housing Statistics 2023 ACS 5-Year Estimates

Housing Statistics	Number	Percentage
Total Housing Units	20	100%
Occupied Housing Units	20	100%
Housing Units - Mobile Homes	0	0%
Vacant Housing Units	0	0%

Table 2.4.21: Village of Otway Household Statistics 2023 ACS 5-Year Estimates

Household Statistics	Number	Percentage
Total Households	20	-
Average Household Size	3.10	-
Households with People Under 18 Years	0	0%
Households with People 65+ Years	9	45%
Householder Living Alone 65+ Years	2	10%
No Vehicle Available	0	0%
With a Broadband Internet Subscription	14	70%

Table 2.4.22: Village of Otway Race and Ethnicity Statistics 2023 ACS 5-Year Estimates

Race and Ethnicity	Number	Percentage
Total Population	62	100%
White	62	100%
Black or African American	0	0%
American Indian or Alaska Native	0	0%
Asian	0	0%
Native Hawaiian or Pacific Islander	0	0%
Some Other Race (One Race)	0	0%
Two or More Races	0	0%
Hispanic or Latino (of any race)	0	0%

Table 2.4.23: Village of Otway Language Spoken at Home Statistics 2023 ACS 5-Year Estimates

Language Statistics	Number	Percentage
Total Population (over 5 years old)	62	100%
English only	62	100%
Spanish	0	0%
Other Indo-European languages	0	0%
Asian and Pacific Island languages	0	0%
Other languages	0	0%

Table 2.4.24: Village of Otway Income Statistics 2023 ACS 5-Year Estimates

Household Income Statistics	Percentage of Households
Less than $10,000	10%
$10,000 to $14,999	0%
$15,000 to $24,999	0%
$25,000 to $34,999	5%
$35,000 to $49,999	30%
$50,000 to $74,999	25%
$75,000 to $99,999	25%
$100,000 to $149,999	0%
$150,000 to $199,999	0%
$200,000 or more	5%
Median Household Income	$73,000
Mean Household Income	$64,385

Village of Rarden

Tables 2.4.25 to 2.4.30 summarize the Village of Rarden's population, housing statistics, and income statistics. There are 59 households of which 32.2 percent have at least one member under 18 years of age, and 33.9 percent have members 65 years and over. The largest percentage of households (28.8 percent) had an income between $50,000 to $74,999; approximately 5.1 percent of households had an annual income of less than $10,000. In 2023, the largest racial group in the Village of Rarden was the White (non-Hispanic) group, which makes up 96.4 percent of the population. Two or More Races and Hispanic or Latino (of any race) are both the second largest race (1.8 percent each).

Table 2.4.25: Village of Rarden Population by Age 2023 ACS 5-Year Estimates

Age	Number	Percentage
Total Population	165	100%
Under 18 Years	54	32.73%
18 to 24 Years	5	3.03%
25 to 34 Years	24	14.55%
35 to 44 Years	14	8.48%
45 to 54 Years	20	12.12%
55 to 64 Years	10	6.06%
65 Years and More	38	23.03%

Table 2.4.26: Village of Rarden Housing Statistics 2023 ACS 5-Year Estimates

Housing Statistics	Number	Percentage
Total Housing Units	105	100%
Occupied Housing Units	59	56.19%
Housing Units - Mobile Homes	6	10.17%
Vacant Housing Units	46	43.81%

Table 2.4.27: Village of Rarden Household Statistics 2023 ACS 5-Year Estimates

Household Statistics	Number	Percentage
Total Households	59	-
Average Household Size	2.80	-
Households with People Under 18 Years	19	32.20%
Households with People 65+ Years	20	33.90%
Householder Living Alone 65+ Years	3	5.10%
No Vehicle Available	4	6.78%
With a Broadband Internet Subscription	48	81.36%

Table 2.4.28: Village of Rarden Race and Ethnicity Statistics 2023 ACS 5-Year Estimates

Race and Ethnicity	Number	Percentage
Total Population	165	100%
White	159	96.36%
Black or African American	0	0%
American Indian or Alaska Native	0	0%
Asian	0	0%
Native Hawaiian or Pacific Islander	0	0%
Some Other Race (One Race)	0	0%
Two or More Races	3	1.82%
Hispanic or Latino (of any race)	3	1.82%

Table 2.4.29: Village of Rarden Language Spoken at Home Statistics 2023 ACS 5-Year Estimates

Language Statistics	Number	Percentage
Total Population (over 5 years old)	151	100%
English only	151	100%
Spanish	0	0%
Other Indo-European languages	0	0%
Asian and Pacific Island languages	0	0%
Other languages	0	0%

Table 2.4.30: Village of Rarden Income Statistics 2023 ACS 5-Year Estimates

Household Income Statistics	Percentage of Households
Less than $10,000	5.10%
$10,000 to $14,999	10.20%
$15,000 to $24,999	11.90%
$25,000 to $34,999	25.40%
$35,000 to $49,999	11.90%
$50,000 to $74,999	28.80%
$75,000 to $99,999	3.40%
$100,000 to $149,999	3.40%
$150,000 to $199,999	0%
$200,000 or more	0%
Median Household Income	$34,063
Mean Household Income	$41,342

Village of South Webster

Tables 2.4.31 to 2.4.36 summarize the Village of South Webster's population, housing statistics, and income statistics. There are 382 households of which 20.2 percent have at least one member under 18 years of age, and 47.1 percent have members 65 years and over. The largest percentage of households (27 percent) had an income between $75,000 to $99,999; approximately 7.9 percent of households had an annual income of less than $10,000. In 2023, the largest racial group in the Village of South Webster was the White (non-Hispanic) group, which makes up 92.1 percent of the population. Two or More Races is the second largest race (4.5 percent).

Table 2.4.31: Village of South Webster Population by Age 2023 ACS 5-Year Estimates

Age	Number	Percentage
Total Population	864	100%
Under 18 Years	208	24.07%
18 to 24 Years	46	5.32%
25 to 34 Years	11	1.27%
35 to 44 Years	144	16.67%
45 to 54 Years	96	11.11%
55 to 64 Years	117	13.54%
65 Years and More	242	28.01%

Table 2.4.32: Village of South Webster Housing Statistics 2023 ACS 5-Year Estimates

Housing Statistics	Number	Percentage
Total Housing Units	426	100%
Occupied Housing Units	382	89.67%
Housing Units - Mobile Homes	47	12.30%
Vacant Housing Units	44	10.33%

Table 2.4.33: Village of South Webster Household Statistics 2023 ACS 5-Year Estimates

Household Statistics	Number	Percentage
Total Households	382	-
Average Household Size	2.26	-
Households with People Under 18 Years	77	20.16%
Households with People 65+ Years	180	47.10%
Householder Living Alone 65+ Years	98	25.70%
No Vehicle Available	28	7.33%
With a Broadband Internet Subscription	275	71.99%

Table 2.4.34: Village of South Webster Race and Ethnicity Statistics 2023 ACS 5-Year Estimates

Race and Ethnicity	Number	Percentage
Total Population	864	100%
White	796	92.13%
Black or African American	5	0.58%
American Indian or Alaska Native	0	0%
Asian	0	0%
Native Hawaiian or Pacific Islander	0	0%
Some Other Race (One Race)	0	0%
Two or More Races	39	4.51%
Hispanic or Latino (of any race)	24	2.78%

Table 2.4.35: Village of South Webster Language Spoken at Home Statistics 2023 ACS 5-Year Estimates

Language Statistics	Number	Percentage
Total Population (over 5 years old)	795	100%
English only	795	100%
Spanish	0	0%
Other Indo-European languages	0	0%
Asian and Pacific Island languages	0	0%
Other languages	0	0%

Table 2.4.36: Village of South Webster Income Statistics 2023 ACS 5-Year Estimates

Household Income Statistics	Percentage of Households
Less than $10,000	7.90%
$10,000 to $14,999	14.10%
$15,000 to $24,999	5.20%
$25,000 to $34,999	8.40%
$35,000 to $49,999	6.50%
$50,000 to $74,999	13.60%
$75,000 to $99,999	27.00%
$100,000 to $149,999	9.20%
$150,000 to $199,999	3.10%
$200,000 or more	5.00%
Median Household Income	$60,625
Mean Household Income	$76,693

3 | Planning Process

3.1 Methodology

The Planning Process chapter describes the steps involved in the development of the 2025 Scioto County Hazard Mitigation Plan, including details about who participated, how community involvement was organized and promoted throughout the community, what hazards were included in the Plan and why, as well as how stakeholder involvement played a critical role in the planning process. This chapter also explains how the Core Planning Committee was formed and how member feedback contributed to the updating of the County's Hazard Mitigation Plan.

3.2 Existing Plans & Regulations

Scioto County and the State of Ohio maintain several plans and tools that were pertinent to reference in the development of the 2025 Hazard Mitigation Plan, including:

- 2020 Scioto County Natural Hazards Mitigation Plan
- 2024 State of Ohio Hazard Mitigation Plan (SOHMP)
- Zoning Regulations for all Clay and Valley Township
- Scioto County Subdivision Regulations

3.3 Scioto County Authority to Adopt Plan

The Scioto County Board of Commissioners are elected at large for four-year terms. The board members are the budgeting, appropriating, taxing, and purchasing authority. The Scioto County Planning Commission was established by the Scioto County Board of Commissioners in conformance with Section 713.21 of the Ohio Revised Code. The authority to adopt plans comes from statutory law and from Chapter 307 of the Ohio Revised Code. **Table 3.3.1** lists the existing authorities and regulations in place in Scioto County and its municipalities.

Through Titles 3 and 7 of the Ohio Revised Code, the county and all municipal corporations have the authority to establish, maintain, and improve a large number of jurisdictional capabilities listed in **Table 3.3.1.** However, their ability to establish, maintain, or improve upon these capabilities vary based on their respective need, political will, and financial capacity. Compared to larger communities, smaller jurisdictions may have the same authority enabled to them by the Ohio Revised Code, but have less ability to establish, maintain, or improve these capabilities.

Table 3.3.1: Existing Authorities and Regulations in Scioto County's Municipalities

Community	Planning Commission	Comprehensive Plan	Floodplain Regulation	Building Codes*	Zoning Codes	Capital Budget	Public Works Budget
Scioto County	Yes	No	Yes	Yes	Yes	Yes	Limited in-kind wages only
City of Portsmouth	Yes	Yes	Yes	Yes	Yes	Yes	Limited in-kind wages only
Village of New Boston	Yes	No	Yes	Yes	Yes	Yes	Limited in-kind wages only

Community	Planning Commission	Comprehensive Plan	Floodplain Regulation	Building Codes*	Zoning Codes	Capital Budget	Public Works Budget
Village of Otway	Yes	No	Yes	Yes	No	Yes	Limited in-kind wages only
Village of Rarden	No	No	Yes	Yes	No	Yes	Limited in-kind wages only
Village of South Webster	No	No	Yes	Yes	Yes	Yes	Limited in-kind wages only

* All jurisdictions within the state now follow the State Building Code (Ohio Administrative Code 4101:1)

3.4 Notification Process

Core Planning Committee members were invited to participate at the beginning of the planning process through a Kickoff Meeting announcement. Prior to each additional meeting, members of the Core Planning Committee were invited to participate via email notification. Representatives from the following entities were invited to participate in the planning process. Additionally, **Table 3.4.1** lists the participating jurisdictions and representatives and how they participated.

Scioto County

- Scioto County Commissioners
- Scioto County Community Action Organization
- Scioto County EMA
- Scioto County Engineer
- Scioto County Floodplain Program
- Scioto County Job & Family Services
- Scioto County Regional Water District 1
- Scioto County Sheriff's Office
- Scioto County Soil & Water Conservation District

City and Village Members

- City of Portsmouth
- Village of New Boston
- Village of Otway
- Village of Rarden
- Village of South Webster

Township Members

- Bloom Township
- Brush Creek Township
- Clay Township
- Green Township
- Harrison Township
- Jefferson Township
- Madison Township
- Morgan Township
- Nile Township
- Porter Township
- Rarden Township
- Rush Township
- Union Township
- Valley Township

- Vernon Township
- Washington Township

Local Schools and Universities

- South Central ESC
- Shawnee State University

Other Organizations

- ADAMHS Board of Adams
- Area Agency on Aging District
- Compass Point Housing
- Scioto County Board of DD
- Southern Ohio Medical Center
- King's Daughters Medical Center
- Portsmouth Salvation Army

Table 3.4.1: Participating Jurisdictions

Community/ Organization	Stakeholders	Surveys Completed				Meetings Attended		
		Goals	Hazard Priorities	Previous Mitigation Actions	New Mitigation Actions	1	2	Other
County								
Scioto County EMA	Larry Mullins – Director Bill Lynn – Deputy Director	√	√	√	√	√	√	
Scioto County Engineer	Darren LeBrun – County Engineer	√	√	√	√	√	√	
Scioto County Soil and Water Conservation District	Scott Lewis – District Manager Danielle Taylor – Program Administrator	√	√			√		
Scioto County Job and Family Services	Tammy Moore Morton – Director Heidi Riepenhoff – PA Administrator	√	√			√	√	
Scioto County Career Technical Center	Kyle Copley – Superintendent	√	√		√	√	√	
Scioto County Sheriff's Office	David Thoroughman – Sheriff Blaine Duduit – Chief Deputy	√		√		√		
Access Scioto County Public Transit	Barbara Ann Setser				√			√
Jurisdictions								
City of Portsmouth	Christopher Smith – Health Commissioner Randy Nickles – Operations Wastewater Manager Debby Brewer – Police Chief Mark hicks - Supervisor	√	√	√	√	√	√	√
Village of New Boston	Steve Hamilton – Administrator	√	√	√	√	√	√	√
Village of Otway	Denise Rose – Mayor		√	√	√	√		√
Village of Rarden	Ronald Syroney - Mayor		√	√	√	√	√	√
Village of South Webster	John Hollback – Mayor		√	√	√			√
Other								
Green Township	George Moore – Fire Chief	√	√	√		√	√	
Jefferson Township	Lisa Buckle – Fiscal Officer	√	√					√
Nile Township	Matt Taylor – Fire Chief	√	√			√		
Porter Township	Dylan Hale – Supervisor James "Mike" Mershon – Service and Safety Director Leah Willis – EMS Supervisor	√	√	√		√	√	

Community/ Organization	Stakeholders	Surveys Completed				Meetings Attended		
		Goals	Hazard Priorities	Previous Mitigation Actions	New Mitigation Actions	1	2	Other
Washington Township	Anthony Shy – Fire Chief	√				√	√	

If representatives were unable to attend the virtual Core Planning Committee meetings, they participated via "Other" formats, including online surveys, as documented in **Appendix G**.

3.5 Meetings

The following section details the meetings that took place during the planning process. Documentation of each meeting, including newspaper postings, email announcements and attachments, meeting materials, and completed surveys, can be found in **Appendix G**.

Core Planning Committee Kick off

A kickoff announcement was emailed to stakeholders on January 6, 2025, inviting them to participate in the 2025 Scioto County Hazard Mitigation Plan update process as part of the Core Planning Committee. All kickoff materials were made available on the project's website (http://www.burtonplanning.com/Scioto-hmp).

The Announcement outlined the following details regarding the planning process:

- Goals of the Hazard Mitigation Plan
- A summary of who is involved in the planning process
- Federal requirements of the hazard mitigation planning process
- An overview of the hazard mitigation planning process
- The proposed schedule for the Scioto County Plan update
- The role of the Core Planning Committee in the update process
- Contact information for both Scioto County EMA and Burton Planning Services
- Dates, times, and Microsoft Teams links of upcoming Core Planning and Public Meetings

Core Planning Meeting and Public Meeting 1

The first meetings were open to both the core planning members and the public. They were held both virtually and in-person on Thursday, January 16, 2025, at 1:00 P.M and at 5:00 P.M at the Scioto County Welcome Center. The meetings began with a brief introduction from a Burton Planning Services (BPS) representative. This introduction included a description of the in-person and virtual engagement process, including multiple options for participants to sign into the meeting. Participants that attended virtually were reminded multiple times throughout the course of the meeting to sign in using the online meeting via the chat function, or by sending an email to the County EMA or BPS. Participants that attended in-person used the sign-in sheets for attendance. The introduction also informed attendees that they could ask questions using the chat feature, or by unmuting themselves and asking their questions at any time throughout the meeting.

A BPS representative then guided the attendees through a presentation which detailed the hazard mitigation planning process, including requirements of the planning process, potential hazards that could be addressed, benefits of hazard mitigation planning, and potential types of projects that could be federally funded because of the hazard mitigation plan. BPS also described the role that the Core Planning Committee would serve in the development of the 2025 Scioto County Hazard Mitigation Plan.

A total of 29 people attended the afternoon meeting, including the Scioto County EMA Director and Deputy Director, as well as representatives from the Village of New Boston, Village of Otway, Village of Rarden, Green Township, Porter Township, and Washington Township. Also in attendance were representatives from Scioto Connect, Ohio Department of Natural Resources, Area Agency on Aging District 7, the Ohio Emergency Management Agency, the Ohio State Highway Patrol, the Ohio Local Emergency Planning Committee, the American Red Cross, Valley Local Schools, the Salvation Army, Minford Local School District, Scioto County Community Technical College, South Central Ohio Educational Service Center, and the Ohio Power Company.

A total of 10 people attended the evening meeting, including the Scioto County EMA Director and Deputy Director, as well as representatives from the City of Portsmouth, Nile Township, Scioto County Sheriff's Office, and Nile Township. In addition, representatives from the Ohio Emergency Management Agency, the Ohio Department of Natural Resources were in attendance. No members of the public attended the meeting.

Following the completion of the presentation, a BPS representative guided the attendees through three surveys, detailed below. Each participant was provided with multiple methods of completing the survey, including a physical hard copy of the survey, a fillable PDF that could be completed on their computer, or an online version. Links to survey locations were provided throughout the meeting. Public input was requested using social media.

Goals Survey

The purpose of this survey was to reflect on the goals included in the 2020 Hazard Mitigation Plan to determine if they were still relevant to the 2025 Plan. Each attendee reviewed the previous goals and determined if they were still applicable, provided comments or edits to the goals that needed to be changed, and generated new goals to potentially be included in the 2025 Plan.

Hazard Priority Survey

The purpose of this survey was to review all hazards that could be included in the 2025 Hazard Mitigation Plan and prioritize them. As such, attendees were asked to rate each hazard on a scale of zero to five, with five meaning the hazard poses the greatest possible threat to the County or their community and zero meaning the hazard should not be included in the 2025 Plan. Attendees rated hazards that were included in the 2020 Hazard Mitigation Plan, as well as all potential hazards that could be included in the 2025 Plan.

Following the completion of this survey, BPS guided a discussion on which hazards were deemed to be most important and which hazards attendees did not think needed to be included.

Previous Mitigation Actions Status Survey

The purpose of the Previous Mitigation Actions Status Survey was to have attendees review the mitigation actions that were included in the 2020 Hazard Mitigation Plan, reflect on the status of each action, and determine if that action should be included in the 2025 Hazard Mitigation Plan.

Core Planning Meeting and Public Meeting 2

The second meetings were open to both the core planning members and the public. They were held both virtually and in-person on Thursday, February 20, 2025, at 1:00 P.M and at 5:00 P.M at the Scioto County Welcome Center. The meetings began with a brief introduction from a Burton Planning Services (BPS) representative. This introduction included a description of the in-person and virtual engagement process, including multiple options for participants to sign into the meeting. Participants that attended virtually were reminded multiple times throughout the course of the meeting to sign in using the online survey, via the chat function, or by sending an email to the County EMA or BPS. Participants that attended in-person used the sign-in sheets for attendance. The introduction also informed attendees

that they could ask questions using the chat feature, or by unmuting themselves and asking their questions at any time throughout the meeting.

A BPS representative then guided the attendees through a presentation which detailed the hazard mitigation planning process, including requirements of the planning process, potential hazards that could be addressed, benefits of hazard mitigation planning, and potential types of projects that could be federally funded if included in the hazard mitigation plan. BPS also described the role that the Core Planning Committee would serve in the development of the 2025 Scioto County Hazard Mitigation Plan.

A total of 23 people attended the afternoon meeting, including the Scioto County EMA Director and Deputy Director as well as representatives from the Scioto County Sheriff's Office, Scioto County Career Technical Center, Scioto County Jobs and Family Services, Scioto Soil and Water Conservation District, City of Portsmouth, Village of New Boston, Village of Rardon, Green Township, Porter Township, and Washington Township. In addition, the Ombudsman from the Area Agency on Aging District 7, Supervisor of Facilities from the King's Daughters Medical Center Ohio, a member of the Local Emergency Planning Committee, the Superintendent from the Minford LSD, the Floodplain Program Manager from the Ohio Department of Natural Resources, an officer from the Salvation Army, and an engineer from Strand Consulting were in attendance.

A total of four people attended the evening meeting, including the Scioto County EMA Director and deputy director. The Police Chief from the City of Portsmouth and the Floodplain Program Manager from the Ohio Department of Natural Resources were also in attendance. No members of the public attended.

Following the completion of the presentation, a BPS representative guided the attendees through a survey, which is detailed below. Each participant was provided with multiple methods of completing the survey, including a physical hard copy of the survey, a fillable PDF that could be completed on their computer, or an online version. Links to survey locations were provided throughout the meeting. Public input was requested using social media.

Hazard Mitigation Action Scoring Matrix

The purpose of this survey was to reflect on the hazard mitigation actions included in the 2020 Hazard Mitigation Plan to determine if they were still relevant to the 2025 Plan. New mitigation actions were developed for the 2025 Plan, and these actions were presented to the Core Planning Committee. Participants were asked to score the actions based on their priority for their jurisdiction. Participants were also told that the wording for the mitigation actions may be altered to better align with the needs of their communities. The remainder of the meeting functioned as a working session, where participants were able to ask questions as they completed their surveys. After questions were answered and surveys were completed, the meeting was adjourned. Attendees were also told that the wording for the mitigation actions may be altered to better align with the needs of their communities. The remainder of the meeting functioned as a working session, where participants were able to ask questions as they completed their surveys. Once completed the meeting was adjourned.

3.6 Public Comment Period

The 2025 Scioto County Hazard Mitigation Plan was made available to the public and Core Planning Committee for review for a 15-day public comment period ending on August 29, 2025. The Hazard Mitigation Plan was made available for review online on the project's website and paper copies were available at the Scioto County EMA's office. No comments from the public were reported. Comments from stakeholders were addressed in the plan. Scioto County's efforts to include the public and Core Planning Committee members in the public comment period can be found in Appendix G.

4 | Risk Assessments

4.1 Dam/Levee Failure

Description

FEMA defines a dam as "any artificial barrier of at least a minimum size, including appurtenant works, which impounds or diverts water or liquid-borne solids on a temporary or long-term basis." Dam failure occurs when that impounded water is suddenly released in an uncontrollable manner. A dam/levee failure can result in the uncontrolled release of floodwater downstream of a facility, resulting in a flood wave that can cause significant damage to buildings and infrastructure downstream. The unexpected nature of dam collapse also increases the likelihood of loss of life in the impacted area due to reduced warning times.

Dam infrastructure can be affected by natural hazards, such as floods or man-made threats, such as sabotage. An imbalance between a dam's age and the amount of resources invested towards dam maintenance can be detrimental to the dam's condition. Maintenance issues include dam settlement and cracking, or movement of the dam's foundation. Dam failures can be caused by seepage, structural failure, or water overtopping the reservoir. Most dams in the U.S. are privately owned but regulated by the State or Federal government.

The National Flood Insurance Program (NFIP) defines a levee as "a man-made structure, usually an earthen embankment, designed and constructed in accordance with the sound engineering practice to contain, control, or divert the flow of water so as to reduce risk from temporary flooding." Levees are built parallel to waterways to reduce the risk of flood damage to neighboring infrastructure. Levee failure can occur from improper maintenance, erosion, seepage, subsidence, and when the man-made structure fails.

Common dam-related terms include:

- **Spillway**: A structure that is part of a dam or found beside a dam which allows the controlled release of water from a reservoir.
- **Outlet works:** Used to regulate or release water flow from a dam. An outlet works is a device which consists of one or more pipes or tunnels which move water through the dam.
- **Auxiliary spillway**: Also known as an emergency spillway, the auxiliary spillway is a secondary spillway designed to operate only during periods of increased water inflow or high reservoir levels.
- **Structural failure**: Caused by foundation defects such as settlement and slope instability or earthquakes.
- **Mechanical failure**: Dam failure due to malfunctioning gates, conduits, or valves.
- **Hydraulic failure**: Occurs when water overtops the dam, usually caused by inadequate spillway design, blockages in spillways, or dam crest settlement.
- **Levee System:** A flood protection system which consists of a levee or other structures, such as closure or drainage devices.

Normally, water passes through a dam via the main spillway or outlet works. During periods of increased water inflow or high reservoir levels, water should pass through an auxiliary spillway. Dam failures or partial failures are typically caused by structural, mechanical, or hydraulic failures, rather than during extreme storm events.

According to the U.S. Army Corps of Engineers (USACE), dams can be classified by their hazard potential. The three hazard potential classes are:

- **High Hazard Potential**: During the event of a dam failure loss of life is probable, which is the primary attribute for assigning this designation to a dam. Economic losses, environmental damages, and lifeline impacts are also likely, but are not required for this designation.
- **Significant Hazard Potential**: No loss of life is expected during a dam failure, but economic losses, environmental damages, and lifeline impacts are likely.
- **Low Hazard Potential**: No loss of life is expected during a dam failure and no lifeline impacts are expected. Environmental damages and economic losses are expected to be limited to the dam owner's property.

Location

Dam properties of High to Low Hazard Potential are listed in **Table 4.1.1.** The status of each dam's Emergency Action Plan as of May 2025, is indicated in the table (Source: USACE). Dam locations can be seen in **Figure 4.1.2**.

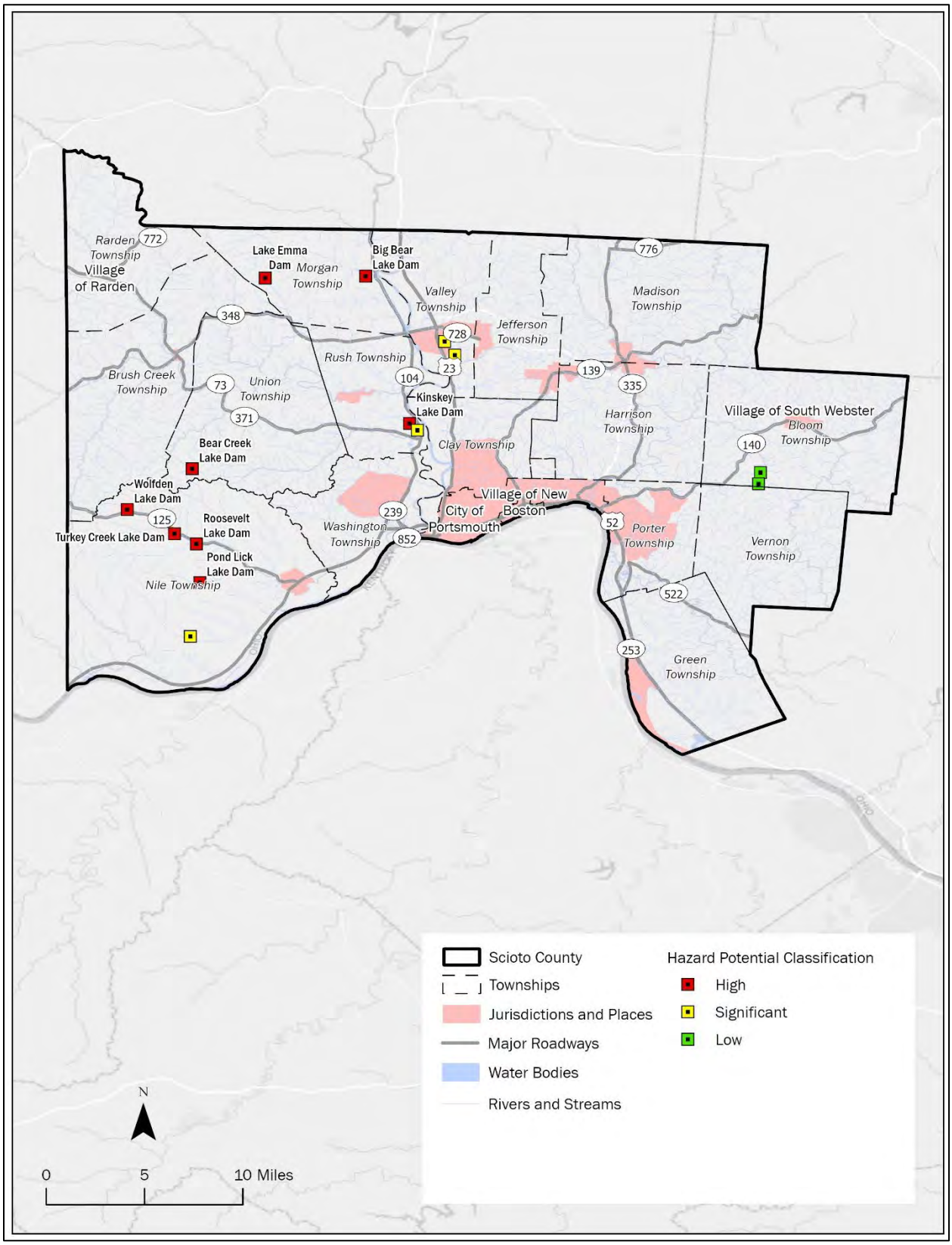
Table 4.1.1: Dam Properties in Scioto County, Ohio

Hazard Potential Classification	Dam Name	Owner Type	Distance to Nearest City (Miles)	Condition Assessment	EAP Prepared
High	Bear Creek Lake Dam	State	8.7	Fair	Yes
High	Big Bear Lake Dam	Private	3.8	Fair	No
High	Kinskey Lake Dam	Private	2.5	Satisfactory	No
High	Lake Emma Dam	Private	2.3	Fair	No
High	Pond Lick Lake Dam	State	4.55	Satisfactory	Yes
High	Roosevelt Lake Dam	State	5	Satisfactory	Yes
High	Turkey Creek Lake Dam	State	5.9	Fair	Yes
High	Wolfden Lake Dam	State	8.5	Fair	Yes

Hazard Potential Classification	Dam Name	Owner Type	Distance to Nearest City (Miles)	Condition Assessment	EAP Prepared
Significant	Elks Country Club Lake Dam	Private	6.4	Fair	No
Significant	Lake Margaret Dam	Private	3	Satisfactory	Yes
Significant	McBride Lake Dam	State	8	Satisfactory	No
Significant	Scioto County Sludge Lagoon	Local Government	0.4	Fair	No
Low	Lewis Lake Dam	Federal	4	Not Rated	Not Required
Low	Scioto Hills Baptist Camp Lake Dam	Private	1.7	Fair	No

Source: U.S. Army Corps of Engineers

Figure 4.1.2: Dam Locations in Scioto County, Ohio



Extent

The Hazard Priority Dam classification system considers the effects of dam failure or mismanagement during both normal and flood flow conditions, as well as worse-case scenario situations. Dam classification may decrease with physical modifications to the dam or by eliminating downstream infrastructure. The classifications are justifiable, reasonable, and consistent with the federal guidelines for dam safety. The hazard potential classification may change depending on anticipated consequences of a dam failure, such as new development below a dam or within the dam breach floodplain. Hazard potential classification may decrease with physical modifications to the dam or by eliminating downstream infrastructure.

There are eight High Hazard Potential dams in Scioto County, which are listed in **Table 4.1.1** and shown on **Figure 4.1.2**. Sudden failure of High Hazard Potential Dams could result in one of the following outcomes, depending on environmental conditions.

- Loss of human life.
- All items listed below for failure of Significant Hazard Potential Dams.

Sudden failures of Significant Hazard Potential Dams could result in at least one of the following conditions:

- Disruption of a public water supply or wastewater treatment facility, release of health hazardous industrial or commercial waste, or other health hazards.
- Flooding of residential, commercial, industrial, or publicly owned structures.
- Flooding of high-value property.
- Damage or disruption to major roads including, but not limited to, interstate and state highways and the only access to residential or other critical areas such as hospitals, nursing homes, or correction facilities as determined by the chief of the division of water resources of the department of natural resources, State of Ohio.
- Damage or disruption to railroads or public utilities.
- Damage to downstream dams or levees. Damage to dams or levees can include, but is not limited to, overtopping of the structure. At the request of the dam owner, the chief may exempt dams from the criterion of this paragraph if the dam owner owns the potentially affected property.
- Damage or disruption to local roads including, but not limited to, roads not otherwise listed as major roads.
- Damage to agricultural crops and livestock.

Sudden failures of Low Hazard Potential Dams could result in property losses restricted mainly to the dam and rural lands, and the loss of human life is not probable.

History

McBride Lake Dam Non-Failure Incident, July 8, 2016

A crack appeared on the dam crest. No further information was provided on repairs. No incident report was provided.

Pond Lick Dam Non-Failure Incident, April 1, 2014:

During repairs, the dam came within one foot of overtopping. Although the dam did not overtop, residents downstream were provided notice. No incident report was provided.

Probability

Dam failures are unlikely but not impossible. All dams, especially High and Significant Hazard Potential Dams, should have an Emergency Action Plan (EAP) in place. In addition, aging dam infrastructure coupled with climate change could result in more frequent dam failures.

Dam conditions can provide insight into how likely it is that a dam will fail. The U.S. Army Corps of Engineers defines dam conditions as follows:

Satisfactory

No existing or potential dam safety deficiencies are recognized. Acceptable performance is expected under all loading conditions (static, hydrologic, seismic) in accordance with the minimum applicable state or federal regulatory criteria or tolerable risk guidelines.

- No existing deficiencies or potentially unsafe conditions are recognized, with the exception of minor operational and maintenance items that require attention.
- Safe performance is expected under all loading conditions including the design earthquake and design flood.
- Permanent risk reduction measures (reservoir restrictions, spillway modifications, operating procedures, etc.) have been implemented to eliminate identified deficiencies.

Fair

No existing dam safety deficiencies are recognized for normal operating conditions. Rare or extreme hydrologic and/or seismic events may result in a dam safety deficiency. Risk may be in the range to take further action. Note: Rare or extreme events are defined by the regulatory agency based on their minimum applicable state of federal criteria.

- Lack of maintenance requires attention to prevent developing safety concerns.
- Maintenance conditions may exist that require remedial action greater than routine work and/or secondary studies or investigations.
- Interim or permanent risk reduction measures may be under consideration.

Poor

A dam safety deficiency is recognized for normal operating conditions which may realistically occur. Remedial action is necessary. 'Poor' may also be used when uncertainties exist as to critical analysis parameters which identify a potential dam safety deficiency. Investigations and studies are necessary.

- Dam has multiple deficiencies or a significant deficiency that requires remedial work.
- Lack of maintenance (erosion, sinkholes, settlement, cracking, unwanted vegetation, animal burrows, inoperable outlet gates) has affected the integrity or the operation of the dam under normal operational conditions and requires remedial action to resolve.
- Critical design information is needed to evaluate the potential performance of the dam. For example, a field observation or a review of the dam's performance history has identified a question that can only be answered by review of the design and construction history for the dam. Uncertainty arises when there is no design and/or construction documentation available for review and additional analysis is needed to better understand the risk associated with operation under normal operational conditions.
- Interim or permanent risk reduction measures may be under consideration.

Unsatisfactory

A dam safety deficiency is recognized that requires immediate or emergency remedial action for problem resolution.

- A critical component of the dam has deteriorated to unacceptable condition or failed.
- A safety inspection indicates major structural distress (excessive uncontrolled seepage, cracks, slides, sinkholes, severe deterioration, etc.), advanced deterioration, or operational deficiencies which could lead to failure of the dam or its appurtenant structures under normal operating conditions.
- Reservoir restrictions or other interim risk reduction measures are required.
- A partial or complete reservoir drawdown may be mandated by the state or federal regulatory agency.

The State of Ohio Dam Safety Program focuses on deficient Class I dams (High Hazard Potential Dams) and dams in poor or unsatisfactory condition. There are eight High Hazard Potential dams in Scioto County, which are listed in **Table 4.1.1** and shown on **Figure 4.1.2**. Three High Hazard Potential Dams in Scioto County do not have emergency action plants (EAPs) in place: Big Bear Lake Dam, Kinskey Lake Dam, and Lake Emma Dam. All HHPDs are in fair or satisfactory condition.

Inundation maps are currently unavailable for Big Bear Lake Dam, Kinskey Lake Dam, and Lake Emma Dam in Scioto County. To calculate property exposure, a digital elevation model was used to calculate the elevation of the dams and their related reservoirs. Flood insurance studies were used to determine the flow of nearby waterways. Following the general downstream direction of the nearby waterways, a measurement of two miles (or to the County edge), as the crow flies, was taken from the dam. This area was identified as the most at-risk area. Parcels that were largely above the dam or reservoir by at least two feet were excluded from the analysis. All other parcels were included.

Tables 4.1.3, 4.1.4, and 4.1.5 summarize the properties that may be exposed during a dam failure for Lake Seneca Dam. Note that this information is for general planning purposes only and should not be used in an Emergency Action Plan or any dam failure response. Inundation maps and Emergency Action Plans should be completed by following all industry standards and requirements.

Table 4.1.3: Big Bear Lake Dam Property Exposure

Land Use	Count	Land Value	Improvement Value	Total Value
Government	26	$404,114,910	$3,360	$404,118,270
Residential	5	$144,740	$432,040	$576,780
Total	**31**	**$404,259,650**	**$435,400**	**$404,695,050**

Table 4.1.4: Kinskey Lake Dam Property Exposure

Land Use	Count	Land Value	Improvement Value	Total Value
Agricultural	37	$1,908,080	$203,700	$2,111,780
Commercial	54	$4,518,290	$16,718,120	$21,236,410
Government	22	$1,455,430	$2,051,680	$3,507,110
Residential	306	$4,714,390	$19,405,840	$24,120,230
Total	**419**	**$12,596,190**	**$38,379,340**	**$50,975,530**

Table 4.1.5: Lake Emma Dam Property Exposure

Land Use	Count	Land Value	Improvement Value	Total Value
Agricultural	52	$1,696,440	$2,250,930	$3,947,370
Commercial	1	$13,600	$67,110	$80,710
Government	10	$35,150	$208,590	$243,740
Residential	123	$1,860,420	$5,373,600	$7,234,020
Total	**186**	**$3,605,610**	**$7,900,230**	**$11,505,840**

Vulnerability Assessment

Infrastructure Impact

Failures of Significant Hazard Potential Dams could flood roadways, including major routes and local roads. Utility infrastructure (wastewater, drinking water, and commercial and industrial waste lines) may be disrupted or destroyed.

Population Impact

The local population could be impacted by loss of utilities, including the local water supply. Health hazards may also be released into the flood waters during a dam failure which may cause indirect harm to the local population. The local population could be impacted economically as well.

Property Damage

At least one residential or commercial property is likely to face structural collapse during a High Hazard Potential Dam failure. Dam failure has the potential to damage high-value properties. Residential, commercial, industrial, and/or high value properties may be damaged by a Significant Hazard Potential Dam failure, as well as publicly-owned properties. Properties that are owned by the dam owner may be exempt from the property damage calculation.

Loss of Life

Loss of life because of a High Hazard Potential Dam failure is likely. Loss of life during a Significant or Low Hazard Potential Dam failure is not expected.

Economic Losses

Economic losses can include damage from flooding crops, flooding livestock, damaged goods, and the flooding of vital roadways.

Emergency Action Plans (EAPs) have been completed for all but three High Hazard Potential Dams (**Table 4.1.1**); However, the data is subjected to agreements where it cannot be published publicly. The Ohio Department of Natural Resources (ODNR) holds a record of these EAPs.

Future Trends

Land Use and Development Trends

Development that has occurred in areas that will flood after a dam failure should be prepared for rapid flooding. Land use plans can limit development in these areas to prevent the increase of dam hazard potential. To better understand where development should be limited, dam failure inundation maps should be completed for as many dams as possible.

In 2023, Scioto County authorized seven new residential units at a total value of $2,116,000. Though there are more buildings slated for construction, the population is projected to decrease in the future. By 2030 Scioto's population is expected to decrease from 71,969 in 2023 to 67,788 (5.8 percent

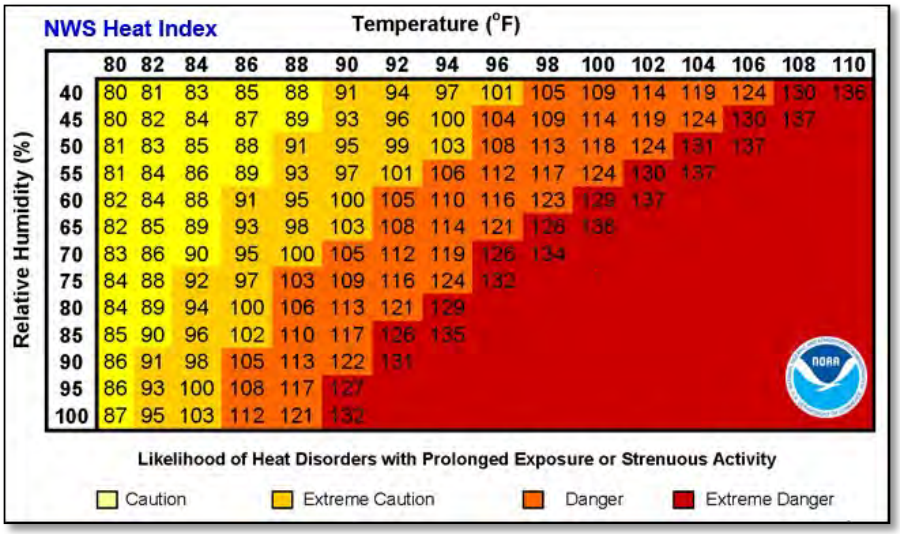
loss), and 60,783 (10 percent loss) by 2040. More buildings but less people may potentially mean more property loss but less population vulnerability. If new residential construction units are within the inundation/breach areas of dams, it would increase property and population vulnerabilities despite county-wide population loss.

4.2 Drought and Extreme Heat

Description

According to the Federal Emergency Management Agency (FEMA), extreme heat is a period of high heat and humidity with temperatures above 90 degrees for at least two to three days. In extreme heat the human body works extra hard to maintain a normal temperature, which can lead to death. Extreme heat is responsible for the highest number of annual deaths among all weather-related hazards. Humid conditions, which add to the discomfort of high temperatures, occur when a high-pressure weather system traps hazy, moist air near the ground. Extreme heat may also contribute to the formation of a drought if moisture and precipitation are lacking. The National Weather Service's Heat Index Chart is provided in **Figure 4.2.1**.

Figure 4.2.1: Heat Index Chart



Relative Humidity (%)	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	110
40	80	81	83	85	88	91	94	97	101	105	109	114	119	124	130	136
45	80	82	84	87	89	93	96	100	104	109	114	119	124	130	137	
50	81	83	85	88	91	95	99	103	108	113	118	124	131	137		
55	81	84	86	89	93	97	101	106	112	117	124	130	137			
60	82	84	88	91	95	100	105	110	116	123	129	137				
65	82	85	89	93	98	103	108	114	121	128	136					
70	83	86	90	95	100	105	112	119	126	134						
75	84	88	92	97	103	109	116	124	132							
80	84	89	94	100	106	113	121	129								
85	85	90	96	102	110	117	126	135								
90	86	91	98	105	113	122	131									
95	86	93	100	108	117	127										
100	87	95	103	112	121	132										

Source: National Weather Service

Extreme heat events are often accompanied by drought conditions when the events are prolonged. A drought is a shortage in precipitation over an extended period. Droughts are common throughout all climatic zones and can range in length from a couple of weeks to multiple years or decades in some areas

According to the National Oceanic and Atmospheric Administration (NOAA), there are three common types of droughts: Meteorological, Agricultural, and Hydrological. Meteorological drought severity is calculated by the amount of the rainfall deficit (compared to annual averages) and the length of the dry period. Agricultural drought is based on the effects to agriculture by factors such as rainfall and soil water deficits or diminished groundwater/reservoir levels needed for irrigation. Hydrological drought is based on the effects of rainfall shortages on the water supply, such as stream flow, reservoir and lake levels, and groundwater table decline.

Location

Drought is a countywide hazard that can affect all locations and jurisdictions in Scioto County. More specifically, these hazards typically occur at a regional scale. Droughts most commonly occur in Ohio from spring through autumn; however, they may occur at any time throughout the year.

Extent

Due to the regional nature of droughts and extreme heat events, effects may be noticed throughout the County in both the urbanized and rural areas. All jurisdictions within the County may be affected in

a single drought event. In Scioto County, droughts are often linked to prolonged periods of above average temperatures and little to no precipitation.

Initial effects of drought can be noticed within a short period, as soil may dry out and plants may wither and die. When drought conditions persist over several weeks, months, or years, effects may be more pronounced with reductions in water levels of wells, lakes, reservoirs, streams, and rivers. Water supply issues for agriculture, commercial/industrial activities, and private consumption may arise if drought conditions persist over a long term.

The extent of the drought is determined by the Palmer Drought Severity Index (PDSI), shown below in **Table 4.2.2**. In this way, the Index can be utilized as a tool to help define disaster areas and indicate the availability of irrigation water supplies, reservoir levels, range conditions, amount of stock water, and potential for forest fires. The Palmer Drought Severity Index depicts prolonged (in months or years) abnormal dryness or wetness and is slow to respond, changing little from week to week. It also reflects long-term moisture runoff, recharge, and deep percolation, as well as evapotranspiration.

Table 4.2.2: Palmer Drought Severity Index Classifications and Federal Drought Categories

Palmer Drought Severity Index	Category	Description
-1.0 to -1.9	D0	Abnormally Dry
-2.0 to -2.9	D1	Moderate Drought
-3.0 to -3.9	D2	Severe Drought
-4.0 to -4.9	D3	Extreme Drought
-5.0 or less	D4	Exceptional Drought

The Palmer Drought Severity Index is a standardized index with values typically falling between -4.0 and +4.0, although extreme conditions can be greater in value (including federal drought categories). Negative values indicate drought conditions while positive values represent wet conditions. Values around zero represent near normal conditions.

Abnormally dry (D0) and moderate drought (D1) conditions occur frequently and typically do not adversely affect agricultural activities unless conditions are sustained in nature. Severe and extreme drought (D2 and D3, respectively) conditions begin to impact agricultural crops, leading to potential economic losses. These more severe events also may impact drinking water resources, especially if the source is a lake or reservoir. Sustained severe droughts may alter the ability of the soil to absorb water, leading to potential flash flooding when rainfall resumes.

The U.S. Drought Monitor calculates the Drought Severity and Coverage Index (DSCI) using the following formula:

1(percent area D0) + 2(percent area D1) + 3 percent area (D2) + 4 percent area (D3) + 5(percent area D4) = DSCI

The DSCI ranges from zero, which would mean no area within the County is experiencing any drought condition, to 500, which means 100% of the County is experiencing a D4 drought.

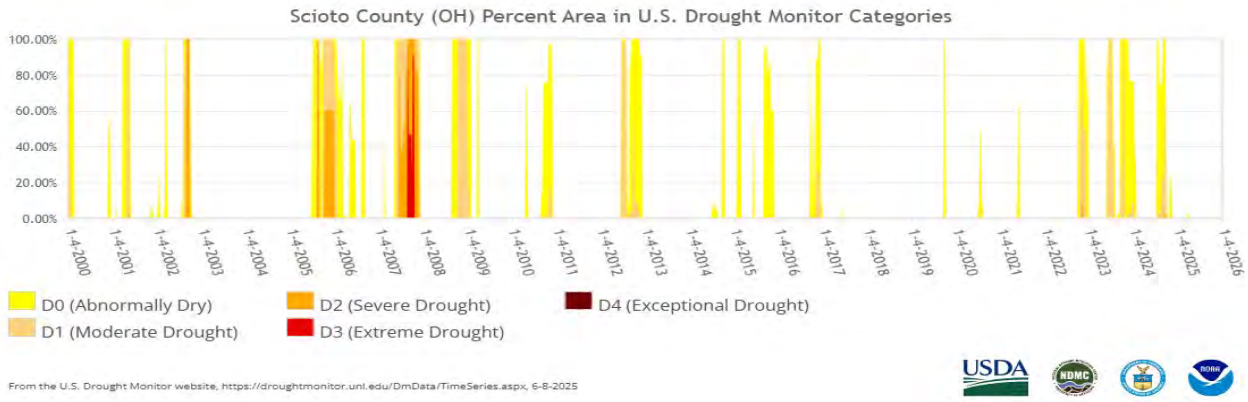
History

Drought

The U.S. Drought Monitor (USDM) describes severe drought as a time when crops suffer, the numbers of wildfires are high and the soil is dry, cracked and pulling away from foundations. In an extreme drought, yields are minimal, livestock are stressed, and lawns go dormant. Data shows that Scioto County has spent 313 weeks in any form of drought since January 2000. **Figure 4.2.3** depicts the drought monitor history for Scioto from 2000 through June 2025. The periods of drought in Scioto

County with a DSCI of greater than 300 are shown in **Table 4.2.4** (Source: U.S. Drought Monitor). There have been no periods of D4 drought in Scioto County since 2000.

Figure 4.2.3: Drought in Scioto County from 2000 to 2025



Source: U.S. Drought Monitor

Table 4.2.4: Periods of Drought with High Severity Index

Week	Percent D0-D4	Percent D1-D4	Percent D2-D4	Percent D3-D4	Percent D4	Drought Severity
8/28/2007	100	100	100	98.18	0	398
10/16/2007	100	100	100	91.08	0	391
10/9/2007	100	100	100	91.08	0	391
9/25/2007	100	100	100	47.07	0	347
9/18/2007	100	100	100	47.07	0	347
9/11/2007	100	100	100	47.07	0	347
9/4/2007	100	100	100	47.07	0	347
10/2/2007	100	100	100	21.83	0	322
10/23/2007	100	100	100	0.63	0	301
8/23/2005	100	100	100	0	0	300
8/16/2005	100	100	100	0	0	300
9/24/2002	100	100	100	0	0	300
9/17/2002	100	100	100	0	0	300
9/10/2002	100	100	100	0	0	300
9/3/2002	100	100	100	0	0	300

Source: U.S. Drought Monitor

History

There have been 15 drought events in Scioto County with a DSCI of 300 or greater since January 1, 2000. There has been one extreme drought and There have been two heat events in Scioto County since January 1, 1995. All events are listed individually in Appendix A.

Extreme Drought (D2 – D3), August 2007 – October 2007:

Scioto County remained in drought conditions for nearly two months, along with large sections of the Midwest and Central Plains.

Heat Event, July 19 – 20, 2019:

The high temperature for both days, with humidity, was recorded at 105 degrees.

Heat Event, August 7 - 10, 2007:

The high temperature was recorded at 105 degrees for several days.

Probability

Scioto County has experienced droughts in the past, and the potential exists for the County to experience droughts in the future. Scioto County has had 15 drought events with a DSCI of 300 or greater, or a minimum of 100% of the County in severe drought conditions, since 2000. Since droughts and extreme heat events do not occur at regular intervals, drought conditions and temperature predictions should be monitored to determine the chance of these events occurring at any given time. The U.S. Drought Monitor and the National Weather Service monitor these conditions and update their predictions regularly. Percent chances and high temperatures can be found at the National Weather Service's Climate Prediction Center.

Seasons of drought and extreme heat have the potential to occur during any particular year, when necessary conditions are met, and according to the Midwest Chapter of the Fourth National Climate Assessment, the frequency of major heat waves in the Midwest has increased over the last six decades. In addition, it is predicted that as the climate gets warmer, there will be an associated increase in the number and severity of summer droughts and extreme heat events.

Vulnerability Assessment

Drought projections suggest that some regions of the U.S. will become drier and that most will have more extreme variations in precipitation. Even if current drought patterns remain unchanged, warmer temperatures will amplify drought effects. Drought and warmer temperatures may increase risks of large-scale insect outbreaks and wildfires, in addition to accelerating tree and shrub death and changing habitats and ecosystems in favor of drought-tolerant species. Forest and rangeland managers can mitigate some of these impacts and build resiliency in forests through appropriate management actions.

Infrastructure Impact

Drought does not have a significant impact on infrastructure or structures. The greatest impacts of drought are on agricultural interests, as crops may fail, and livestock may not have sufficient water resources.

Population Impact

Extreme heat can have an impact on the population of the entire County. Groups who live in areas with minimal tree cover or urban areas may experience higher temperatures relative to outlying areas due to the urban heat island effects. Groups that are particularly vulnerable to extreme heat, such as older adults and people with chronic health conditions may experience illness or injury, such as heat cramps, heat exhaustion, and heat stroke.

Property Damage

During extreme heat events, utility failure may occur due to overuse of electricity for cooling. Property damage is a possibility due to extreme heat. Vehicles are at risk of breaking down from excessive heat, as heat can reduce battery life and reduce the efficiency of the cooling system resulting in overheated engines. Extreme heat can also cause a home to dry out and prematurely age. Excessive heat in combination with lack of rainfall (drought) can cause soil to shrink and crack, which puts stress on a home's foundation that can be costly to fix. Drought and warmer temperatures may increase risks of large-scale insect outbreaks and wildfires. Drought and warmer temperatures may also accelerate tree and shrub death, changing habitats and ecosystems in favor of drought-tolerant species.

Table 4.2.5 summarizes expected annual losses (EAL) for buildings, expected annual loss for population equivalence (EALPE) in Scioto County. and the expected annual loss for agriculture (EALA) for the census tracts according to FEMA's National Risk. The census tracts are sorted by highest expected annual loss (total).

Table 4.2.5: Structure and Population Vulnerability from Heat Wave

Census Tract	Expected Annual Loss (Agriculture)	Expected Annual Loss (Building)	Expected Annual Loss (Population Equivalence)	Expected Annual Loss (Total)
39145002400	$130	$27	$19,915	$20,072
39145002700	$113	$20	$18,558	$18,692
39145002100	$154	$25	$18,215	$18,394
39145002300	$120	$24	$18,093	$18,237
39145002200	$178	$25	$17,102	$17,305
39145002800	$163	$27	$16,923	$17,113
39145003800	$22	$30	$16,816	$16,868
39145004000	$168	$19	$15,337	$15,524
39145002600	$131	$25	$14,567	$14,723
39145002901	$5	$16	$14,007	$14,027
39145003400	$0	$17	$13,447	$13,464
39145003000	$9	$17	$13,355	$13,382
39145003100	$1	$29	$11,636	$11,666
39145003900	$80	$14	$11,400	$11,494
39145002500	$109	$15	$10,786	$10,910
39145003700	$0	$27	$9,746	$9,773
39145002902	$15	$28	$9,700	$9,743
39145003600	$0	$46	$8,991	$9,038
Total	**$1,399**	**$466**	**$275,096**	**$276,961**

Source: FEMA National Risk Index

Loss of Life

Loss of life is possible during drought and extreme heat events, especially for young children, the elderly, and individuals with respiratory conditions.

Economic Losses

Economic losses are a threat from extreme heat and droughts to Scioto County. Crops and livestock may be compromised during prolonged extreme heat events. Human productivity can also be affected when working conditions become too hot. According to the 2022 Census of Agriculture developed by the U.S. Department of Agriculture (USDA), top crop items based on acreage for Scioto County include soybeans for beans, corn for grain, wheat for grain, and corn for silage/greenchop (animal feed). Census data was collected for 2017 and 2022. Acreage farmed for Corn for Silage, while acreage for corn for grain, soybeans, and wheat increased between 2017 and 2022. Yield per acre decreased in 2022 versus 2017 for all crops (**Figure 4.2.6**). Agricultural land use can be seen on the land use map in Chapter 1 (**Figure 1.2.1).**

Table 4.2.6: Scioto County Crop Yields 2017 - 2022

Commodity	2017		2022	
	Acres	Crop Yield	Acres	Crop Yield
Corn, Grain	7,406	1,285,249 bushels	7,452	1,115,914 bushels
Soybeans	15,544	771,537 bushels	17,031	759,642 bushels
Wheat	536	25,250 bushels	639	29,896 bushels
Corn, Silage/Greenchop	281	5,074 tons	10	230 tons

Source: United States Department of Agriculture Census

Future Trends

Land Use and Development Trends

Drought and extreme heat are most likely to impact agriculture land uses and land uses that house or serve vulnerable populations, such as schools, daycares, hospitals, and nursing homes. However, as the County's population ages, the population will become more vulnerable to extreme heat events. Increase of agricultural land use, crop yields, and livestock cash receipts can mean more vulnerability to drought in those areas.

4.3 Earthquakes

Description

Earthquakes are sudden and rapid movements of the Earth's crust and are caused by the abrupt shifting of rocks deep underneath the earth's surface. These movements vary in length and may last from a few seconds to several minutes.

The seismicity, or seismic activity, of an area refers to the frequency, type, and size of earthquakes experienced over time. Earthquakes are measured using observations from seismometers. The Moment Magnitude Scale (MMS), which was developed in the 1970's, is the most common scale on which earthquakes larger than approximately 5.0 in magnitude are reported for the entire world. Earthquakes smaller than magnitude 5.0, which are more numerous, are reported by national seismological observatories and measured most on the local magnitude scale – also referred to as the Richter Scale. These two scales are numerically similar in their range of validity. Earthquakes of magnitude 3.0 or lower are often almost imperceptible or weak, while earthquakes of magnitude 7.0 or greater can potentially cause serious damage over larger areas.

Damage from an earthquake also depends on the earthquake's depth in the Earth's crust. The shallower an earthquake's epicenter, the more damage to structures it will cause. Alternatively, an earthquake can also be measured by its intensity. The Modified Mercalli Intensity Scale (MMI) ranges in value I to XII, in roman numerals (**Table 4.3.1**).

Earthquakes can happen anywhere without warning; they are low-probability, high-consequence events. Most major earthquakes in the U.S. have occurred in California as well as in Alaska, Hawaii, Oregon, Puerto Rico, Washington, and the entire Mississippi River Valley. There have been recorded earthquakes throughout the U.S., and the Ohio River Valley has experienced earthquakes exceeding the 3.0 magnitude within the last 25 years.

Location

Earthquakes are countywide hazards and can affect all areas and jurisdictions within Scioto County. According to the Ohio Department of Natural Resources (ODNR), Ohio is located on the periphery of the New Madrid Seismic Zone, an area in and around Missouri that was the site of the largest earthquake sequence to occur in the country in the 1800's. Additionally, seismic activity is concentrated in the western Ohio region known as the *western Ohio seismic zone* (also referred to as the *Fort Wayne (Anna) seismogenic zone*), where more than 40 earthquakes have been felt since 1875.

There are two unnamed faults in Scioto County (**Figure 4.3.2**).

Extent

Earthquakes pose a risk to life and property depending on severity. To monitor earthquakes, the State of Ohio and the ODNR Division of Geological Survey coordinates a 29-station network (**Figure 4.3.3**) of seismograph stations throughout the state to continuously record earthquake activity. The Ohio Seismic Network (OhioSeis) stations are distributed across the state but are concentrated in the most seismically active areas or in areas that provide optimal conditions for detecting earthquakes. While the seismic network cannot predict earthquakes or provide an alert prior to an event, it can provide insight into earthquake risks in the state so that intelligent decisions about building and facility design and construction, insurance coverage, and other planning decisions can be made by individuals, business and industry, and governmental agencies.

According to the ODNR, there is one Ohio Seismic Network monitoring station in Scioto County. There are also stations located in the neighboring Adams, Jackson, and Lawrence Counties.

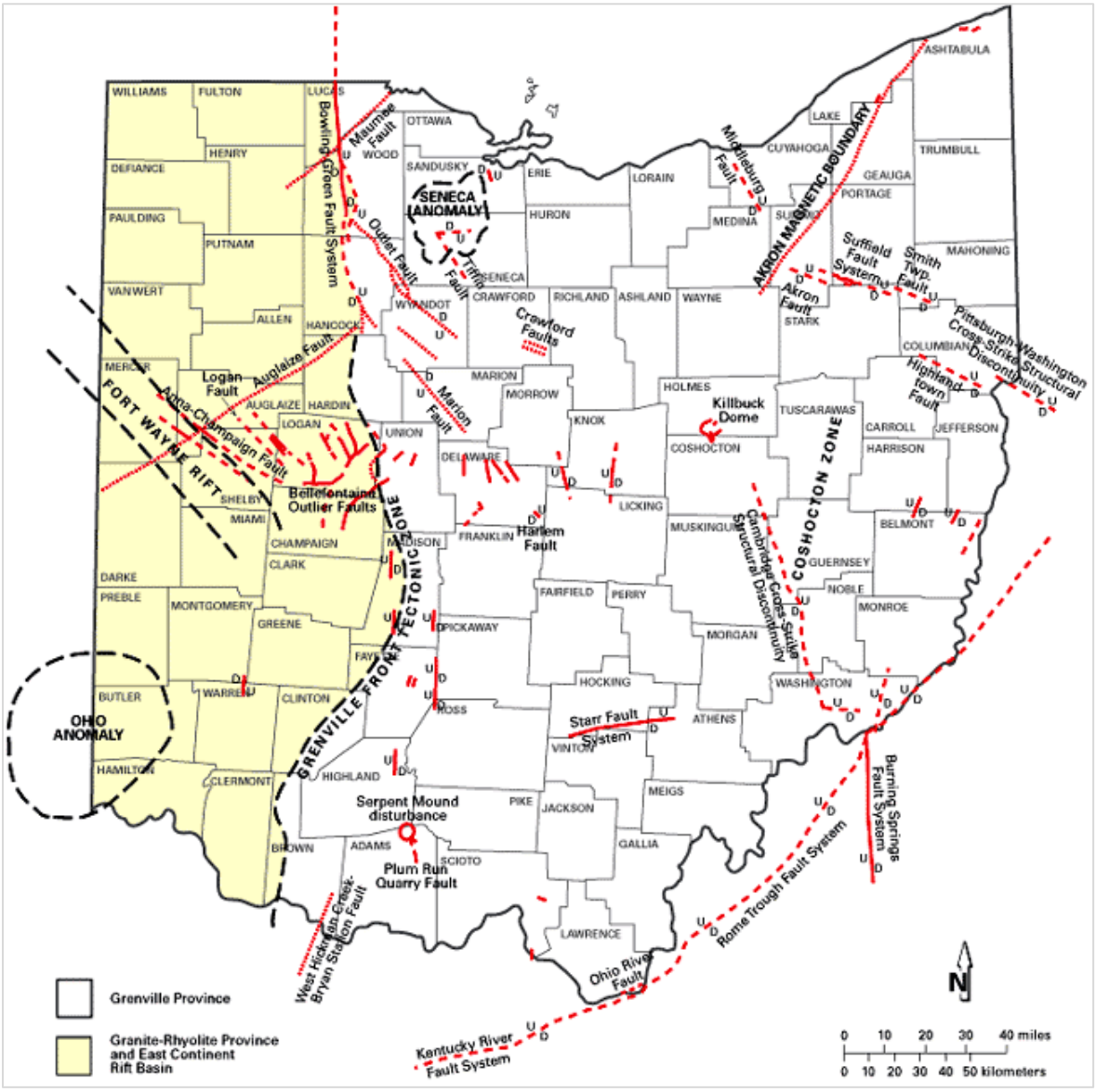
Earthquakes can yield a variety of different outcomes. With the ground shaking associated with earthquake events, buildings have a high potential to be impacted. If soil liquefaction, or the mixing of fine sediment and soil with groundwater occurs, buildings can sink into the ground. Earthquakes also have the potential to rupture dams or levees along a river, resulting in flooding and even tsunamis (see Dam Failure section). Earthquakes can cause landslides or avalanches in high-risk areas and can cause mines to subside. Furthermore, earthquakes that break gas and power lines can result in fires.

Table 4.3.1: Modified Mercalli Intensity Scale

Modified Mercalli Intensity Scale		Magnitude
I	Detected only by sensitive instruments.	1.5
II	Felt by few people at rest, especially on upper floors; delicately suspended objects may swing.	2
III	Felt noticeably indoors, but not always recognized as earthquake; standing autos rock slightly, vibrations like passing truck.	2.5
IV	Felt indoors by many, outdoors by few, at night some awaken; dishes, windows, doors disturbed; standing autos rock noticeably.	3
V	Felt by most people; some breakage of dishes, windows, and plaster; disturbance of tall objects.	3.5
VI	Felt by all, many frightened and run outdoors, falling plaster and chimneys, damage small.	4
VII	Everybody runs outdoors; damage to buildings varies depending on quality of construction; noticed by drivers of autos.	4.5
VIII	Panel walls thrown out of frames; walls, monuments, chimneys fall; sand and mud ejected; drivers of autos disturbed.	5
IX	Buildings shifted off foundations, cracked, thrown out of plumb; ground cracked; underground pipes broken.	5.5
X	Most masonry and frame structures destroyed; ground cracked, rails bent, landslides.	6
XI	Few structures remain standing; bridges destroyed, fissures in ground, pipes broken, landslides, rails bent.	6.5
XII	Total damage; waves seen on ground surface, lines of sight and level distorted, objects thrown up into air.	7 7.5 8

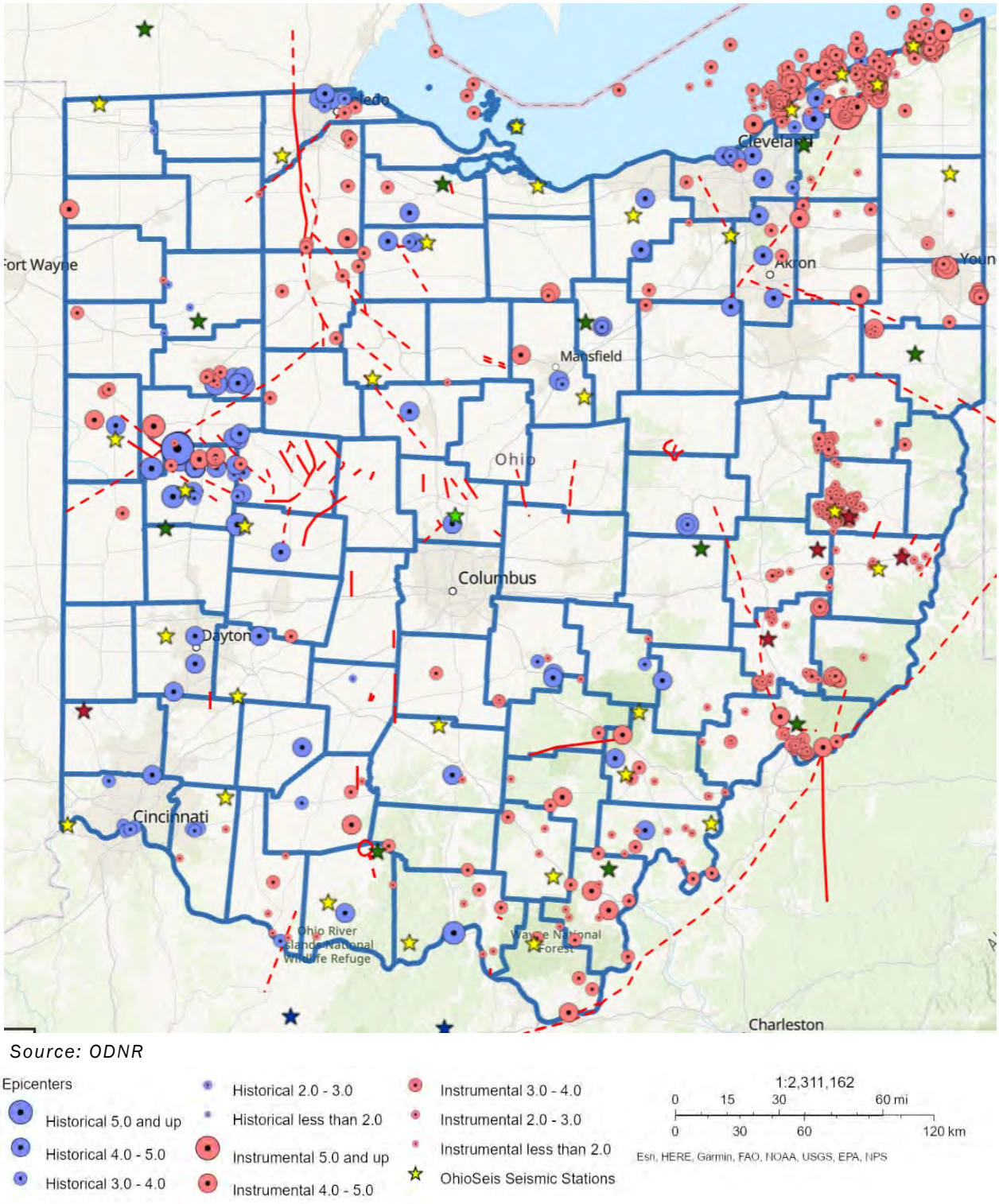
Source: ODNR

Figure 4.3.2: Ohio Faults and Seismic Zones



Source: ODNR

Figure 4.3.3: Earthquake Epicenters and Seismic Monitoring Stations in Ohio



Source: ODNR

History

More than 400 earthquakes of 2.0 magnitude or greater with epicenters in Ohio have occurred since 1776. Most of these events have been small, in the 2.0 to 3.0 magnitude range, while 18 earthquakes have had a magnitude of 4.0 or higher. No deaths are recorded in Ohio from earthquakes. According

to ODNR, Scioto County has had six recorded earthquakes between 1901 and 2024, with magnitudes between 0.6 and 4.3. The 4.3 magnitude earthquake occurred in 1901 and the next highest magnitude quake at 2.3 occurred in 2020. All other earthquakes have had magnitudes of 2.1 or less. There is limited data available on any property damage.

Figure 4.3.3, above, displays epicenters of all historical earthquakes with a magnitude greater than 1.0. Locations and magnitudes of non-instrumental earthquakes correspond to felt area or maximum epicentral Modified Mercalli Intensities and may be in error by a considerable distance.

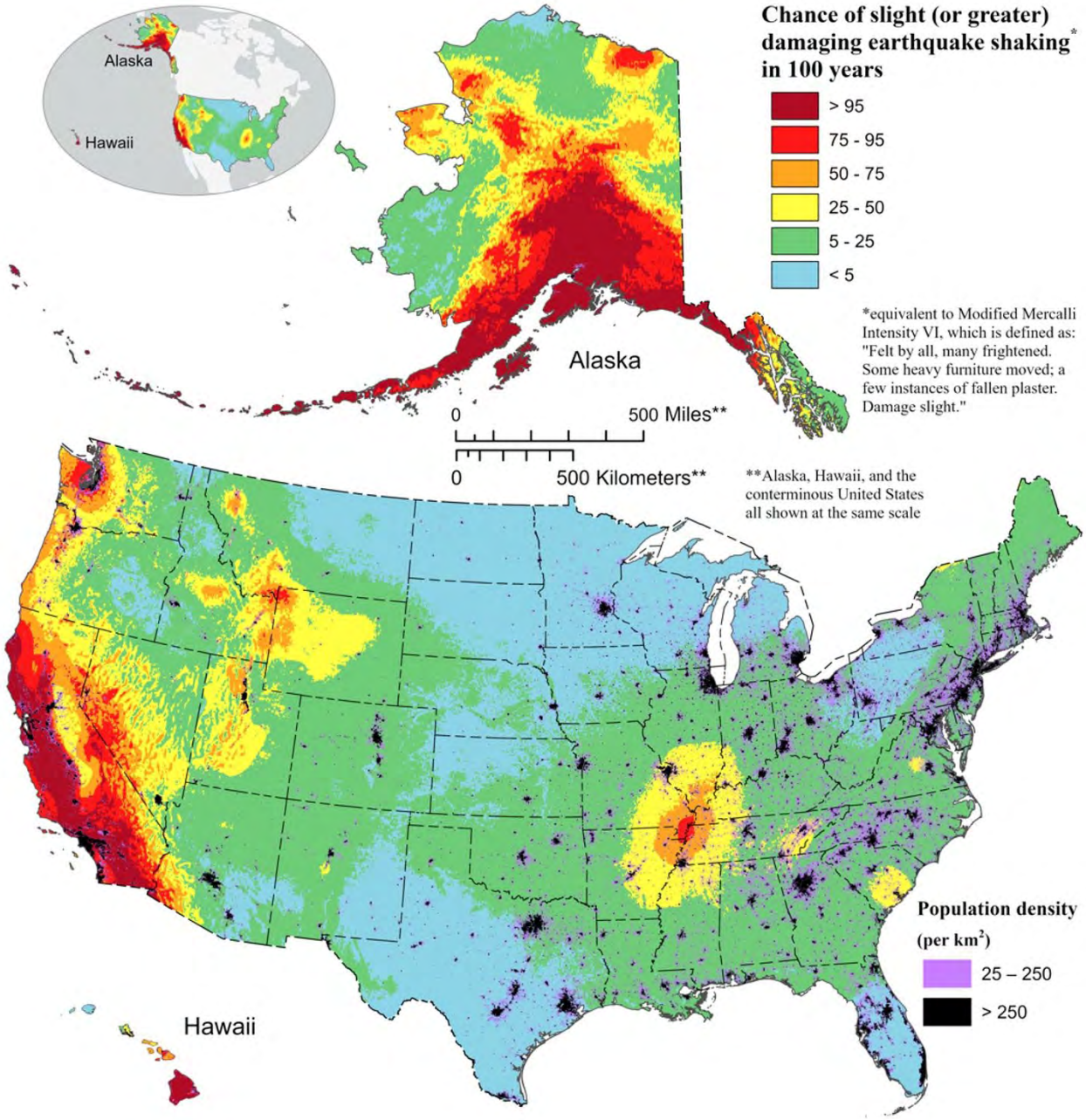
Probability

The USGS has both long-term and short-term probabilistic seismic hazard forecasts. In the 2024 one-hundred-year probabilistic seismic hazard forecast, the United States Geological Survey estimated that there is a 5 to 25 percent chance of potentially minor-damage ground shaking for Scioto County (**Figure 4.3.4**).

The USGS also prepared national seismic hazard maps (NSHMP) for the United States. These time-independent maps are shown for two percent and ten percent probability of earthquake ground-shaking exceedance levels at specified probabilities over a 50-year period at several hundred thousand sites across the United States. The map (**Figure 4.3.5)** identifies that Scioto County has an eight to ten percent peak ground acceleration for two percent probability of exceedance in 50 years.

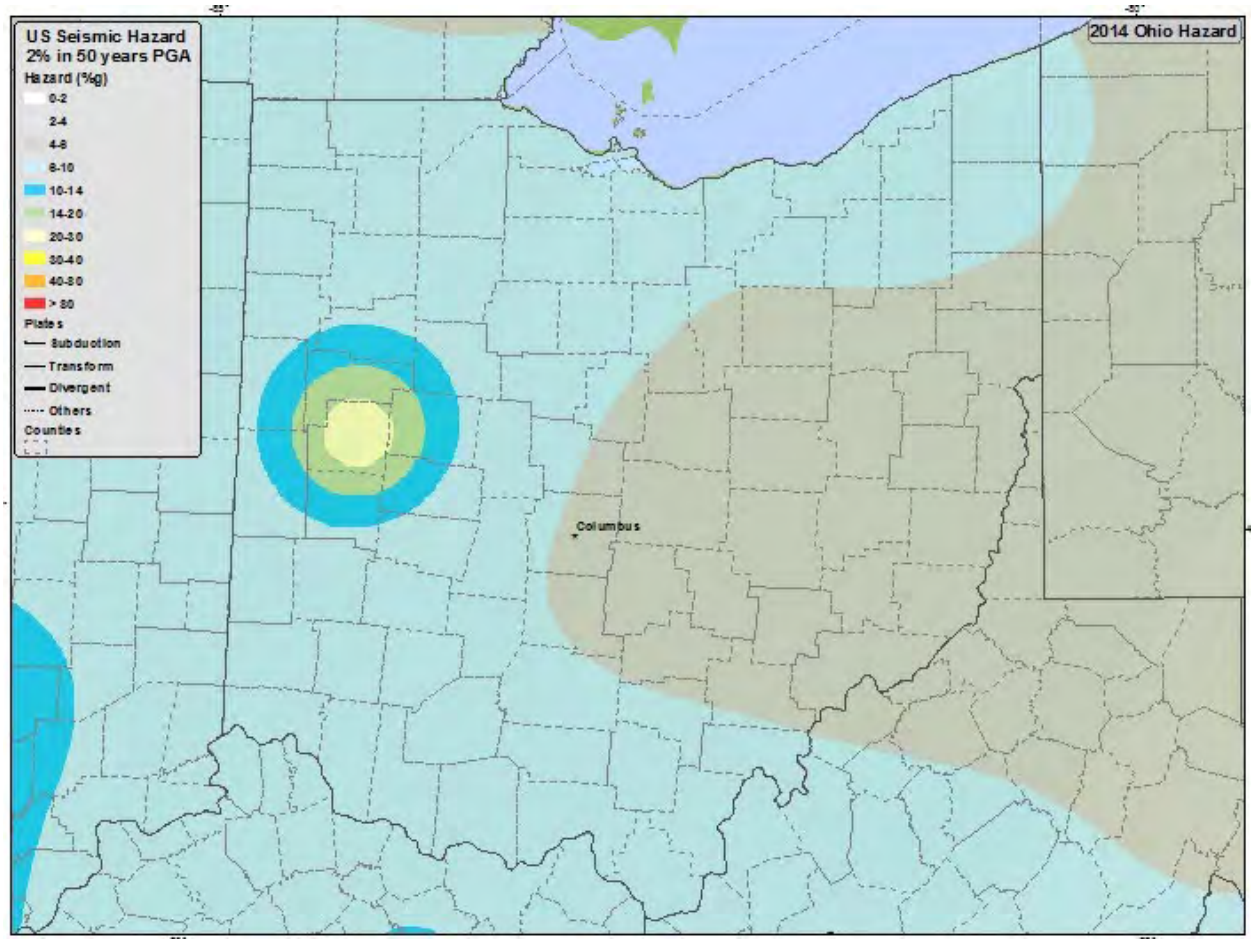
Furthermore, the ODNR indicates that the brief historic record of Ohio earthquakes suggests a risk of moderately damaging earthquakes in the western, northeastern, and southeastern parts of the State.

Figure 4.3.4: Earthquake Shaking and Seismic Design Categories



Source: USGS

Figure 4.3.5: 2014 Seismic Hazard Map of the State of Ohio



Source: USGS

Vulnerability Assessment

Infrastructure Impact

There have been one earthquake above a 4.0 magnitude, two above a 2.0 magnitude, and three at 2.0 or less in Scioto County since 1901. The largest earthquake occurred on May 17, 1901, at 4.3. Magnitudes under three are not generally noticed by people and cause little, if any, damage. Buildings, roadways, gas and power lines have the potential to be affected. Since the probability of an earthquake occurring in Scioto County is less than one percent, there is a low risk of impact to infrastructure as a result.

Population Impact

There is a relatively low risk of earthquakes occurring in Scioto County. Accordingly, there is a low risk of impact to the population. If an earthquake occurs within Scioto, the population could be impacted by loss of homes, loss of utilities, and a potential reduction in air quality.

According to the National Risk Index calculated by FEMA, Scioto County's risk was scored at 65.1 ("very low") to earthquakes. Socially vulnerable populations may be more affected by earthquakes if they live in older housing units or apartment complexes that do not have adequate earthquake-resilient infrastructure. The index indicates an expected annual loss of $281,000 due to earthquakes with a less than 0.03 percent chance of an event occurring per year.

Property Damage

With any earthquake event, there is potential for property damage to occur, as ground shaking can lead to damaged buildings. Due to the non-site-specific nature of this hazard, **Table 4.3.6** lists the census tracts in Scioto County, ranked from the highest vulnerability to the lowest vulnerability.

Loss of Life

Scioto County has no recorded earthquake events that have resulted in loss of life; however, if an earthquake occurs, there is potential for loss of life. If there are more people and structures in an earthquake prone location, there is likely to be more of an impact. Loss of life can be mitigated by educating the public on proper protection in the event of an earthquake. For example, the USGS resources on preparing for an Earthquake hazard (USGS Resources for Earthquake Preparedness) as well as the Ready Campaign (Ready.gov) are national public service campaigns designed to educate and empower the American people to prepare for, respond to, and mitigate disasters.

Economic Losses

Earthquakes have the potential to damage infrastructure, resulting in the economic burden of clean up and repairs. Expected annual loss (EAL) rates, calculated by FEMA, identify the total value of loss expected each year for a particular community, in this case Scioto County census tracts. Expected losses for buildings, population ($11.6 million for each fatality or 10 injuries), and agriculture per census tract from earthquakes are recorded in **Table 4.3.6** below. The tables list the top 20 census tracts in Scioto County from the highest total EAL to the lowest. The EAL Total column combines the buildings, population, and agricultural losses for each census tract. Compared with other hazards, earthquakes are relatively unlikely to occur in Scioto County, meaning there is a low risk of economic loss as a result of an earthquake.

Table 4.3.6: Structure and Population Vulnerability from Heat Wave

Census Tract	Expected Annual Loss (Agriculture)	Expected Annual Loss (Building)	Expected Annual Loss (Population Equivalence)	Expected Annual Loss (Total)
39145004000	$43,047	$9,147	$0	$52,194
39145003100	$9,212	$1,022	$0	$10,234
39145003600	$9,436	$532	$0	$9,968
39145002600	$7,427	$1,111	$0	$8,538
39145002100	$7,216	$1,214	$0	$8,430
39145002400	$6,536	$1,359	$0	$7,894
39145003800	$6,595	$1,034	$0	$7,629
39145002902	$6,871	$629	$0	$7,500
39145002200	$6,316	$1,121	$0	$7,437
39145003000	$5,322	$1,089	$0	$6,411
39145002300	$5,218	$1,013	$0	$6,230
39145002700	$4,967	$1,103	$0	$6,070
39145002500	$4,747	$885	$0	$5,632
39145002901	$4,519	$1,046	$0	$5,565

Census Tract	Expected Annual Loss (Agriculture)	Expected Annual Loss (Building)	Expected Annual Loss (Population Equivalence)	Expected Annual Loss (Total)
39145003900	$4,398	$921	$0	$5,320
39145002800	$3,467	$727	$0	$4,194
39145003200	$3,151	$598	$0	$3,749
39145003300	$2,295	$423	$0	$2,718
39145003400	$1,374	$402	$0	$1,776
39145003500	$769	$73	$0	$841
Grand Total	**$142,882**	**$25,449**	**$0**	**$168,331**

Source: FEMA National Risk Index

Future Trends

Land Use and Development Trends

Because the incidence and likelihood of earthquakes is low in Scioto County, all communities have a low risk. By planning for and managing land use to accomplish social, ecological, and economic sustainability, communities can reduce the negative impacts caused by earthquakes. This can be accomplished through comprehensive land-use plans and supportive federal and state policies. As such, enforcement of stricter building codes that ensure that all new developments are built up to code can reduce risk. Infrastructure (constructed facilities and lifelines) should be designed and constructed to resist earthquake shaking following the current state-of-the-art engineering and technology practices.

In 2023, Scioto County authorized seven new residential units at a total value of $2,116,000. Though there are more buildings slated for construction, the population is projected to decrease in the future. By 2030 Scioto's population is expected to decrease from 71,969 in 2023 to 67,788 (5.8 percent loss), and 60,783 (10 percent loss) by 2040. More buildings but less people may potentially mean more property loss but less population vulnerability. However, with state-of-the-art engineering there is very little potential damage. Given these estimates, there are no known changes in risks associated with earthquakes in Scioto County.

Climate Change

Climate change has no known effect on the probability or extent of earthquakes.

4.4 Flood

Description

FEMA describes a flood as "a general and temporary condition of partial or complete inundation of normally dry land areas from the overflow of inland or tidal waters [and] the unusual and rapid accumulation or runoff of surface waters from any source." Floods are typically riverine, coastal, or shallow. Flash floods are floods that occur quickly, even occurring without visible signs of precipitation.

Urban flooding is a type of flood that can occur in areas of development that have a high level of impervious surfaces such as concrete. The level of development and the level of stormwater management practices impact the severity of urban flooding.

Common flood-related terms include:

- **100-Year Flood:** A flood that has a one percent chance of occurring each year. The 100-year floodplain can be seen in **Figure 4.4.1: Flood Hazard Map**. The elevation of the water from the 100-year flood is called the Base Flood. Mitigation strategies should be based on the base flood elevation.
- **Floodplain:** An area that has the potential to flood from any source.
- **Floodway:** Sometimes referred to as a regulatory floodway. FEMA defines a floodway as "the channel of a river or other watercourse and the adjacent land areas that must be reserved in order to discharge the Base Flood without cumulatively increasing the water surface elevation more than a designated height."
- **Flash flood:** Flash floods are typically caused by heavy rainfall over a short period of time. These floods are particularly dangerous because they can occur in minutes and can sometimes occur even without rainfall such as when an ice jam breaks or dissolves. Areas impacted by wildfires are particularly susceptible to flash floods. Flash floods can occur just about anywhere with enough rainfall and are not restricted to the 100-year floodplain. Development/restriction to drainage or increased impervious surfaces can contribute to flash flood frequency.

Location

Flooding can occur throughout Scioto County. Flash flooding is more likely to occur in developed areas or along lakes and rivers. **Figure 4.4.1** shows the location of the 100-year floodplain. Floods can and do occur outside the FEMA defined 100-year flood zone. Sometimes very small watersheds are not included in the FEMA analyses, but floods can occur in these smaller watersheds as well.

Extent

Scioto County currently has 84 flood insurance maps (see **Appendix F**). The most recent update is from June 2020.

Scioto County and 3 communities within the County, including the City of Portsmouth and the Villages of New Boston and Rarden participate in the National Flood Insurance Program (NFIP) **(Table 4.4.2)**. The Village of Otway does not participate in the NFIP.

Figure 4.4.1: Flood Hazard Map of Scioto County, Ohio

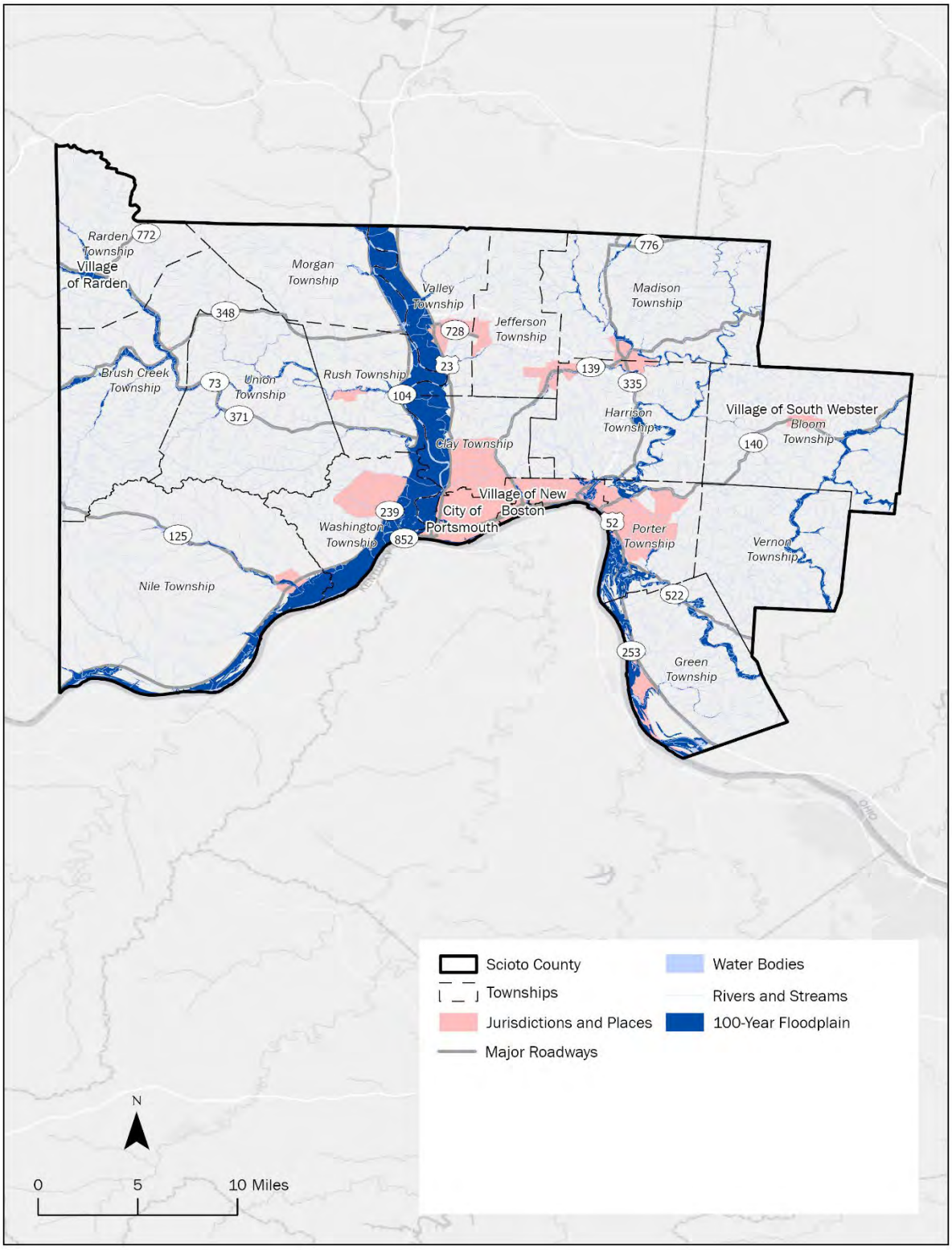


Table 4.4.2: National Flood Insurance Program Participation for Scioto County, Ohio

Community Name	County	NFIP Coordinator	Init FHBM Identified	Init FIRM Identified	Effective Map Date	Reg-Emer Date	Participating in NFIP
Scioto County*	Scioto County	Angie Malone	12/27/74	06/19/89	06/19/20	06/19/89	Yes
City of Portsmouth	Scioto County	Sam Sutherland	05/31/74	08/15/83	06/19/20	08/15/83	Yes
Village of New Boston	Scioto County	Stephen Hamilton	05/31/74	09/04/02	06/19/20	01/26/83	Yes
Village of Rarden	Scioto County	Angie Malone	08/23/74	04/17/89	04/18/11	04/17/89	Yes
Village of Otway	Scioto County	N/A	N/A	09/04/02	04/18/11	09/04/03	No

Source: NFIP Community Status Book

Repetitive Loss

There are 28 repetitive loss properties and two severe repetitive loss properties in or near Scioto County, Ohio, detailed in **Table 4.4.3**. FEMA defines a repetitive loss property as an insurable building for which two or more claims of more than $1,000 were paid by the National Flood Insurance Program (NFIP) within any rolling ten-year period since 1978. FEMA defines a severe repetitive loss property as a single family property that is covered under flood insurance by the NFIP and has incurred flood-related damage for which four or more separate claims payments have been paid under flood insurance coverage, with the amount of each claim payment exceeding $5,000 and with cumulative amount of such claims payments exceeding $20,000; or for which at least two separate claims payments have been made with the cumulative amount of such claims exceeding the reported value of the property.

Table 4.4.3: Repetitive Loss Properties in Scioto County, Ohio

Jurisdiction Occupancy	Total RL/SRL Structures	RL Structures	SRL Structures	Total Losses	Total Paid
Scioto County (Unincorporated) Single Family Residential	24	22	2	55	$724,703
Scioto County (Unincorporated) Other Residential	1	1	0	2	$34,497
City Of Portsmouth Single Family Residential	3	3	0	6	$51,115
Village of New Boston Single Family Residential	2	2	0	4	$14,914
Total	**30**	**28**	**2**	**67**	**$825,230**

Source: Ohio EMA

History

There have been 145 floods or flash floods in Scioto County between January 1995 and December 2023. These events have caused $8 million in property damage. Four deaths and six injuries were

reported. Two deaths and two injuries occurred on February 20, 2000, when a car carrying four people was driven into a flooded area. One death occurred on July 21, 2010, when a woman was swept away into a flash flood. The same flash flood resulted in four injuries. One death occurred on May 12, 2011, when a man was swept away into flood waters. There have been eight major disaster declarations related to flooding in Scioto County since 1968. The eight major disaster declarations, as well as floods that caused the greatest amount of damage, and floods that caused deaths or injuries, are described below.

Major Disaster Declaration for Severe Storms, Flooding, and Landslides, February 5 – 13, 2019:

A Major Disaster Declaration (DR-4424-OH) was issued on April 8, 2019, offering public assistance to 21 counties in Ohio including Scioto County. Between February 5 and February 13, Scioto County reported two floods and one isolated tornado resulting from several waves of low pressure. During the floods, State Route 73 near the Village of Rarden was closed. No property damage or crop damage was reported. No deaths or injuries were reported.

Major Disaster Declaration for Severe Storms and Flooding, April 4 – May 15, 2011:

An unstable airmass brought severe weather and heavy rainfall to Scioto County on May 10, 2011. The severe weather resulted in four flash floods and one flood across the County. Several homes required water rescues, and several cars were submerged by flood waters. A Major Disaster Declaration (DR-4002-OH) was issued on July 13, 2011, offering public assistance to 21 counties In Ohio including Scioto County. Scioto County reported $202,000 in property damage due to four of the five flash floods. One man lost his life when he was pulled under flood waters while wading chest deep. No additional injuries were reported.

Flash Flood in Scioto County, July 21, 2010:

Several thunderstorms brought heavy rainfall on July 21, 2010. The storms caused multiple homes to flood, destroying two homes, causing major damage to two homes, and minor damage to several more homes. There were several water rescues. One person lost their life during the flash flood while they were trying to get to higher ground and were swept away. Another four injuries were reported as well. Scioto County reported $300,000 in property damage.

Major Disaster Declaration for Severe Winter Storms, Flooding, and Mudslides, December 22, 2004 – February 1, 2005:

A Major Disaster Declaration (DR-1580-OH) was issued on February 15, 2025, offering public assistance to 59 counties and individual assistance to 32 counties in Ohio. Scioto County received both public and individual assistance. Specific property damage amounts were not reported for Scioto County. No deaths or injuries were reported.

Major Disaster Declaration for Severe Storms and Flooding, February 18 – March 2, 2000:

Heavy rainfall on February 20, 2000, caused the Ohio River in the City of Portsmouth to overflow its banks. There were two deaths and two injuries reported when a vehicle drove into flood waters near the union of the Scioto and Ohio Rivers. A Major Disaster Declaration (DR-1321-OH) was issued on March 7, 2000, offering individual assistance to seven counties including Scioto. The County reported $1 million in property damage.

Major Disaster Declaration for Severe Storms and Flooding, February 28 – March 17, 1997:

Between February 28 and March 17, 1997, Scioto County had three flash floods and two floods. An estimated five to ten inches of rain fell in less than 36 hours causing significant damage. More than 2,000 people were evacuated, several cars washed away, 10 bridges were washed out, 200 homes were destroyed, and 400 homes were damaged. A Major Disaster Declaration (DR-1164-OH) was issued on March 4, 1997, offering public assistance to 18 counties and individual assistance to 17 counties. Scioto County received both public and individual assistance. Scioto County reported $3

million in property damage from the flash flood on March 1, $2 million in property damage from the flood on March 2, $5,000 from the flash flood on March 3, and $3,000 in property damage from the flood on March 5. No deaths or injuries were reported.

Major Disaster Declaration for Severe Storms and Flooding, January 20 – 31, 1996:

A significant rain event on January 23, 1996, brought over two inches of rain, causing the Ohio River tributaries to flood. Rainfall persisted through January 24, resulting in several road closures and building evacuations. A Major Disaster Declaration (DR-1097-OH) was issued on January 27, 1996, offering public assistance to 10 counties and individual assistance to 12 counties. Scioto County received both public and individual assistance. Scioto County reported $1 million in property damage from the flood on January 23 and $10,000 from the flash flood on January 24. No deaths or injuries were reported.

Major Disaster Declaration for Severe Storms and Flooding, August 7 – 18, 1995:

A Major Disaster Declaration (DR-1065-OH) was issued on August 25, 1995, offering individual assistance to 11 counites including Scioto County. Specific property damage amounts were not reported for Scioto County. No deaths or injuries were reported.

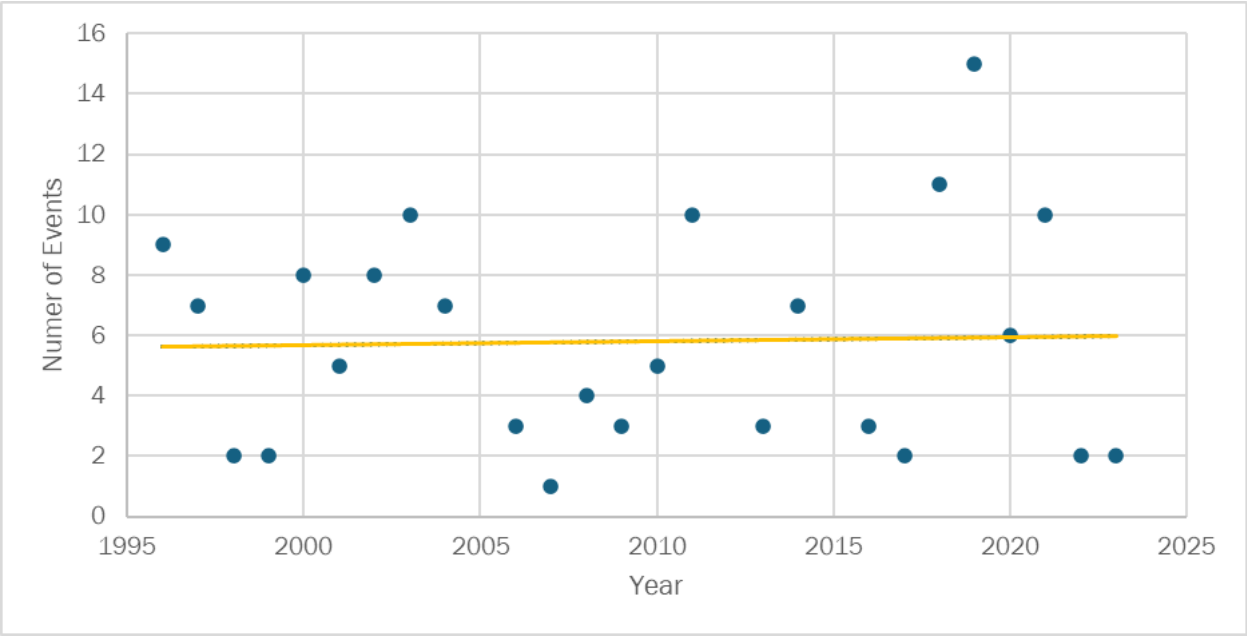
Major Disaster Declaration for Heavy Rains & Flooding, June 5, 1968:

A Major Disaster Declaration (DR-243-OH) was issued on June 5, 1968, offering public assistance to 28 counties including Scioto County. Specific property damage amounts were not reported for Scioto County. No deaths or injuries were reported.

Probability

Figure 4.4.4 Between 1995 and 2023, Scioto County experienced 145 flooding events, including both floods and flash floods. Annually, this amounts to approximately five floods or flash floods per year. The yellow trendline of flood occurrences per year is increasing, which may suggest that Scioto County can expect a similar or higher frequency of flood events each year. According to the State of Ohio Hazard Mitigation Plan (SOHMP), increased precipitation and variability due to climate change will increase the likelihood and intensity of flood events. The Climate Change section in Future Trends discusses climate change further.

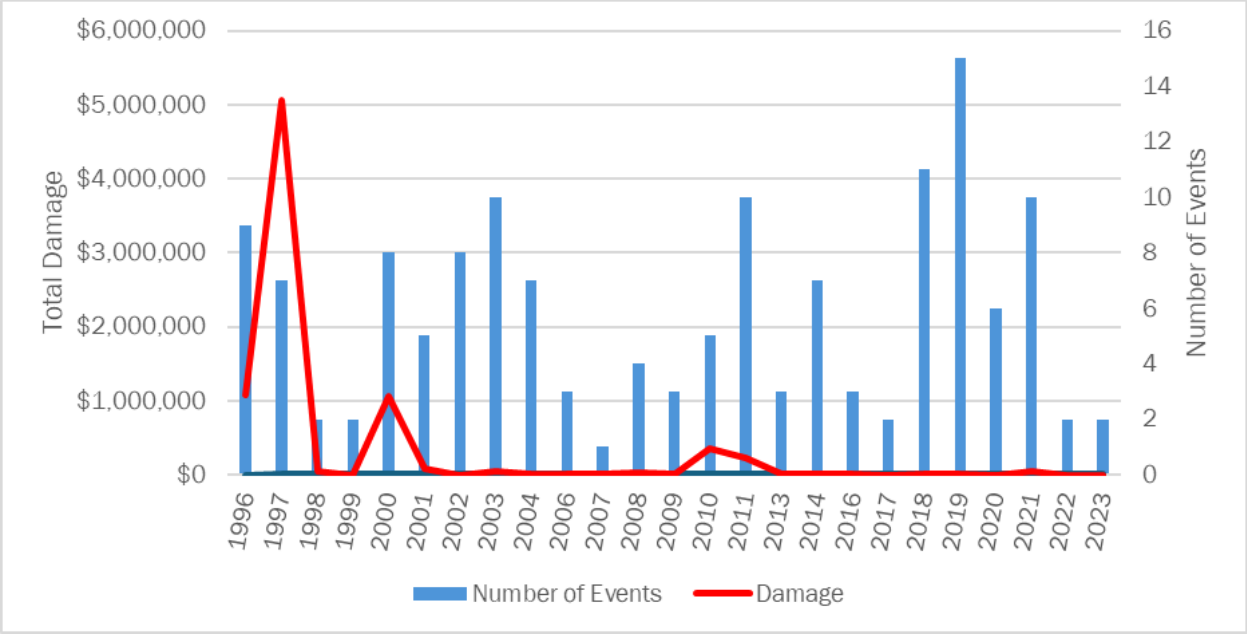
Figure 4.4.4: Probability of Flooding



Data Source: NOAA

Figure 4.4.5 shows both the trend of flood events and affiliated cost over time since January 1995. Between 1995 and 2023, floods or flash flood events have resulted in $8 million in property damage (Source: NCEI). Annually, this amounts to approximately $278,724 in property damage.

Figure 4.4.5: Probability and Cost of Flooding



Data Source: NOAA

Vulnerability Assessment

Infrastructure Impact

Floods can impact roadways, including interstates and state routes, by blocking them due to high water, filling them with debris or washing away the road altogether.

Population Impact

Floods and flash floods have caused damage to occupied homes and businesses in the past. During flood events, shelter and temporary housing may need to be provided to those impacted by flooding.

For social vulnerability, in the National Risk Index, "riverine flooding" had a score of 90.5 ("Relatively Moderate"). People that are most vulnerable to flooding are those who live within the 100-year floodplain in structures that are not elevated above the base flood elevation. The index indicates an expected annual loss of $3.5 million due to flood events with 3.8 events occurring per year.

Property Damage

Floods have the potential to damage infrastructure, resulting in the economic burden of clean up and repairs. Expected annual loss (EAL) rates, calculated by FEMA, identify the total value of loss expected each year for a particular community, in this case Scioto County census tracts. Expected losses for buildings, population ($11.6 million for each fatality or 10 injuries), and agriculture per census tract from riverine flooding are recorded in **Table 4.4.6** below. The table below shows the 20 census tracts with the highest total EAL (expected annual loss) from riverine flooding. The EAL Total column combines the buildings, population, and agricultural losses for each census tract.

Table 4.4.6: Structure and Population Vulnerability from Riverine Flooding

Census Tract	Expected Annual Loss (Agriculture)	Expected Annual Loss (Building)	Expected Annual Loss (Population Equivalence)	Expected Annual Loss (Total)
39145004000	$177,978	$383,492	$64,834	$626,304
39145002800	$170,174	$381,671	$33,659	$585,504
39145002200	$55,572	$177,051	$60,142	$292,765
39145003700	$62,990	$229,680	$1	$292,671
39145003100	$65,961	$214,826	$60	$280,847
39145002902	$110,294	$139,817	$4,035	$254,146
39145002300	$56,575	$126,632	$31,271	$214,478
39145003900	$82,955	$67,488	$43,849	$194,292
39145002400	$40,450	$104,802	$42,409	$187,661
39145002500	$33,612	$49,010	$50,615	$133,237
39145003000	$35,701	$93,448	$2,608	$131,757
39145002100	$19,977	$53,885	$5,750	$79,612
39145002600	$11,538	$52,345	$8,117	$72,001
39145002700	$7,608	$29,254	$10,457	$47,319
39145003600	$20,644	$11,066	$1	$31,711
39145003800	$5,823	$6,167	$11,827	$23,817

Census Tract	Expected Annual Loss (Agriculture)	Expected Annual Loss (Building)	Expected Annual Loss (Population Equivalence)	Expected Annual Loss (Total)
39145003200	$3,500	$19,943	$0	$23,443
39145003500	$2,560	$2,975	$0	$5,535
39145002901	$162	$679	$1	$843
39145003300	$0	$0	$0	$0
Grand Total	**$964,075**	**$2,144,233**	**$369,635**	**$3,477,943**

Source: FEMA National Risk Index

Loss of Life

There were four reported deaths from flood events in Scioto County between January 1995 through December 2023. Two deaths were from people being swept away in flood waters and two deaths were from people drowning in a vehicle trapped in flood waters. In addition, there were six injuries. Loss of life is possible in future floods or flash floods.

Economic Losses

Floods can halt economic activity, block roadways, and destroy agricultural crops. Businesses may need to shut down their operations due to flood water damage or road closures. Crop losses are also possible during floods or flashfloods.

Future Trends

Land Use and Development Trends

Any development that occurs in flood zones will be at risk. Development in these areas should be limited. Flash flooding is more likely to occur in areas with a high percentage of impervious surfaces. Future land use practices should limit the percentage of impervious surfaces. **Chapter 5** contains mitigation actions that address these issues.

In 2023, Scioto County authorized seven new residential units at a total value of $2,116,000. Though there are more buildings slated for construction, the population is projected to decrease in the future. By 2030 Scioto's population is expected to decrease from 71,969 in 2023 to 67,788 (5.8 percent loss), and 60,783 (10 percent loss) by 2040. More buildings but less people may potentially mean more property loss but less population vulnerability. However, with state-of-the-art engineering there is very little potential damage. If construction practices, including the location of the new housing units, follow best practices for floodplain management, there are no known changes in the risks associated with riverine flooding.

Communities that are participating in the National Flood Insurance Program (NFIP) are required to adopt and enforce regulations and codes that apply to new developments in Special Flood Hazard Areas (SFHAs). These local floodplain management regulations must contain, at a minimum, NFIP requirements and standards that apply not only to new structures, but also to existing structures which are Substantially Improved (SI), or Substantially Damaged (SD) from any cause, whether natural or human-induced hazards.

According to 44 CFR 59.1, substantial improvement means any reconstruction, rehabilitation, addition or other improvement to a structure, the total cost of which equals or exceeds 50 percent of the market value of the structure before the start of construction of the improvement. Likewise, substantial damage means damage of any origin sustained by a structure whereby the cost of restoring the structure to its before damaged condition would equal or exceed 50 percent of the market value of the structure before the damage occurred. SI/SD requirements are also triggered when any

combination of costs to repair and improvements to a structure in an SFHA equals or exceeds 50 percent of the structure's market value (excluding land value).

$$\frac{(Cost\ to\ Repair) + (Cost\ of\ Improvements)}{Market\ Value\ of\ Structure} \geq 50\ Percent$$

Enforcing the SI/SD requirements is a very important part of a community's floodplain management responsibilities. The purpose of the SI/SD requirements is to protect the property owner's investment and safety, and, over time, to reduce the total number of buildings that are exposed to flood damage, thus reducing the burden on taxpayers through the payment of disaster assistance. SD/SI requirements are enforced by the local floodplain administrator and monitored by the Ohio Department of Natural Resources (ODNR) Floodplain Management Program during Community Assistance Visits. If a local floodplain administrator is overwhelmed by the number of SD/SI inspections after a large event, ODNR has developed a network of building code officials that are trained in conducting SD/SI field determinations. Help with SD/SI inspections can be requested through the county emergency management agency director.

For more information regarding Substantial Improvement and Substantial Damage, please refer to FEMA's Substantial Improvement/ Substantial Damage Desk Reference, P-758 or contact the ODNR Floodplain Management Program.

Climate Change

According to the International Panel on Climate Change, climate change has impacted human and natural systems. For example, infrastructure and stormwater systems in the Midwest are threatened by increased precipitation frequency and intensity induced by climate change (NCA 2018). According to the SOHMP, increased precipitation and variability by climate change will also increase the likelihood and intensity of flood events, which will mostly occur during the summer and fall months. These events will mainly occur from late summer to early winter, increasing the likelihood of cool season flood events in the late autumn and early winter. Additionally, heavy precipitation events and precipitation are projected to increase during winter and spring, causing flooding, sewer overflow, inundated roadways, delayed growing season and crop damage, and infrastructure damage. Emergency action plans, green infrastructure, and anticipating extreme events are important steps to prepare for climate change.

4.5 Invasive Species

Description

Invasive species are non-native and have potential negative impacts on the environment and economy of Scioto County. The National Oceanic and Atmospheric Administration (NOAA) defines an invasive species as "an organism that causes ecological or economic harm in a new environment and is not native." Harmful species are species that are native to a region, but that also cause significant ecological, public health, or economic harm. Their growth is often encouraged through human activity.

Invasive species can be terrestrial (land dwelling) or aquatic (water dwelling). Terrestrial species include plants, trees, shrubs, animals, birds, and insects, as well as fungi, bacteria, molds, and viruses. Aquatic species include aquatic plants and algae, fish, mollusks, amphibians, and insects, as well as fungi, bacteria, molds, and viruses.

Location

Invasive species have the potential to impact any location within the County. The most invasive terrestrial species degrade the State's woodlands, wetlands, and prairies. Aquatic invasive species use rivers to spread. Ohio has over 66,000 miles of streams, 312 miles of Great Lakes shoreline, nearly 2,000 inland lakes and reservoirs, and shares major watersheds with other states and Canada. Scioto County is part of the Mississippi River basin, which is an ecologically diverse river system, and is susceptible to invasions through the Ohio River and its tributaries. The Scioto River, which winds 231 miles through Ohio to Scioto County where it joins the Ohio River, is part of the Mississippi River basin as the Ohio River eventually empties into the Mississippi River.

Extent

Once invasive species become widely established, controlling their spread is both technically difficult and expensive, making eradication nearly impossible. Invasive species can alter species diversity and natural wildlife habitat in regions where they become established. State and federal quarantine programs aim to prevent the further spread of various invasives. While the federal invasive species quarantine program attempts to control numerous species across all 50 states and territories, Ohio has two insects in quarantine programs, the spotted lantern fly and the box tree moth, although Scioto County is not a quarantine program for either insect. Invasive species in Scioto County that are of particular concern and / or species with federal or state quarantine programs are described in more detail below.

Scioto County is not one of the 51 Ohio counties currently in federal quarantine for the spongy moth (*Lymantria dispar*) (Figure 4.5.1) but it is in the non-infested eradication zone. The Spongy Moth is an invasive forest pest that moved west into Ohio from Pennsylvania. Each female can lay an egg mass that can contain 500-1,000 eggs and once the larvae hatch, they can successfully feed on over 300 different tree and shrub varieties. According to the Ohio Department of Agriculture, each larva can consume up to one square foot of foliage every 24 hours. Transportation of newly hatched caterpillars is via wind on silk threads, allowing them to travel hundreds of yards to as much as one mile to new areas. As caterpillars grow, their transportation changes to crawling to new food sources as adult females cannot fly.

Figure 4.5.1: Spongy Moth (*Lymantria dispar*)

Source: Ohio Department of Agriculture

The Asian long-horned tick (**Figure 4.5.2**) has been identified in Scioto, along with 10 other central and southeastern Ohio counties, since it was first spotted in the state in 2020. The ticks prefer large livestock and wildlife and carry various pathogens that can cause disease in animals and humans. They also carry bovine theileriosis (*Theileria orientalis),* which causes increased heart and respiratory rates, anemia, jaundice, and increased mortality, posing a threat to Ohio's livestock. Because the females breed asexually, laying up to 2,000 eggs at a time, they can increase their numbers quickly. No other North American tick can do that. Heavy tick infestation has led to the deaths of several cows from sheer blood loss.

Figure 4.5.2: Asian Long-horned Tick (*Haemaphysalis longicornis*)

Source: Risa Pesapane

Approximately 2,300 plant species occur in the wild in Ohio. Of these, about 78 percent are native, that is, they existed in the region before European settlement. Of the remaining 22 percent, fewer than 100 have been identified to be problems in natural areas. According to the Ohio Invasive Plants Council, there are 38 invasive plant species in Ohio that have been banned and more under consideration (**Table 4.5.3**). These plants cannot be sold, distributed, or imported.

Table 4.5.3: Plant Invasive Species in Ohio as of January 7, 2018

Scientific Name	Common Name
Ailanthus altissima	Tree-of-heaven
Alliaria petiolate	Garlic mustard

Scientific Name	Common Name
Berberis vulgaris	Common barberry
Butomus umbellatus	Flowering rush
Celastrus orbiculatus	Oriental bittersweet
Centaurea stoebe ssp. Micranthos	Spotted knapweed
Dipsacus fullonum	Common teasel
Dipsacus laciniatus	Cutleaf teasel
Egeria densa	Brazilian elodea
Elaegnus angustifolia	Russian olive
Elaegnus umbellate	Autumn olive
Epilobium hirsutum	Hairy willow herb
Frangula alnus	Glossy buckthorn
Heracleum mantegazzianum	Giant hogweed
Hesperis matronlis	Dame's rocket
Hydrilla verticillata	Hydrilla
Hydrocharis morsus-ranae	European frog-bit
Lonicera japonica	Japanese honeysuckle
Lonicera maackii	Amur honeysuckle
Lonicera morrowii	Morrow's honeysuckle
Lonicera tatarica	Tatarian honeysuckle
Lythrum salicaria	Purple loosestrife
Lythrum virgatum (effective January 7, 2019)	European wand loosestrife
Microstegium vimineum	Japanese stiltgrass
Myriophyllum aquaticum	Parrotfeather
Myriophyllum spicatum	Eurasian watermilfoil
Nymphoides peltata	Yellow floating heart
Phragmites australis	Common reed
Potamogeton crispus	Curley-leaved pondweed
Pueraria montana var. lobate	Kudzu
Pyrus calleryana (effective January 7, 2023)	Callery pear
Ranunculus ficaria	Fig buttercup, lesser celandine
Rhamnus cathartica	Common buckthorn
Rosa multiflora	Multiflora rose
Trapa natans	Water chestnut

Scientific Name	Common Name
Typha angustifolia	Narrow-leaved cattail
Typha x glauca	Hybrid cattail
Vincetoxicum nigrum	Black swallow-wort

Studies conducted by Ohio Department of Natural Resources, Ohio Sea Grant, and the Ohio State University have identified over 70 invasive aquatic species in Ohio (**Table 4.5.4**). With the exception of white perch, it is unlawful to possess, import, or sell these species live.

Table 4.5.4: Aquatic Invasive Species in Ohio

Type	Scientific Name	Common Name
Fish	*Alosa pseudoharengus*	Alewife
Fish	*Carassius auratus*	Goldfish
Fish	*Carassius carassius*	Crucian carp
Fish	*Carassius gibelio*	Prussian carp
Fish	*Channa app. and Parachanna app.*	Snakeheads
Fish	*Claris batrachus*	Walking catfish
Fish	*Ctenopharyngodon idella*	Diploid grass carp - white amur
Fish	*Ctenopharyngodon Idella*	Grass carp
Fish	*Cyprinus carpio*	Common carp
Fish	*Fundulus catenatus*	Northern studfish
Fish	*Fundulus diaphanus*	Eastern banded killifish
Fish	*Gambusia holbrooki and Gambusia affinis*	Eastern & western mosquitofish
Fish	*Gasterosteus aculeatus*	Three-spined stickleback
Fish	*Gymnocephalus cernuus*	Ruffe
Fish	*Hypophthalmichthys harmandi*	Large-scale silver carp
Fish	*Hypophthalmichthys molitrix*	Silver carp
Fish	*Hypophthalmichthys nobilis*	Bighead carp
Fish	*Lates niloticus*	Nile perch
Fish	*Leuciscus idus*	Ide
Fish	*Morone americana*	White perch
Fish	*Mylopharyngodon piceus*	Black carp
Fish	*Neogobius melanostomus*	Round goby
Fish	*Osmerus mordax*	Rainbow smelt
Fish	*Perca fluviatilis*	European perch
Fish	*Perccottus glenii*	Amur sleeper

Type	Scientific Name	Common Name
Fish	*Petromyzon marinus*	Sea lamprey
Fish	*Phoxinus phoxims*	Eurasian minnow
Fish	*Proterorhinus marmoratus*	Tubenose goby
Fish	*Pseudorasbora parva*	Stone moroko
Fish	*Rhodeus sericeus*	Bitterling
Fish	*Rutilus sericeous*	Roach
Fish	*Sander lucioperca*	Zander
Fish	*Scardinius erythrophthalmus*	European rudd
Fish	*Scardinius erythrophthalmus*	Rudd
Fish	*Silurus glanis*	Wels catfish
Fish	*Tinca tinea*	Tench
Mollusks	*Bellamya (Cipangopaludina)*	Mystery snails
Mollusks	*Bithynia tentaculata*	Faucet snail
Mollusks	*Corbicula fluminea*	Asian clam
Mollusks	*Dreissena bugensis*	Quagga mussel
Mollusks	*Dreissena polymorpha*	Zebra mussel
Mollusks	*Limnoperna fortune*	Golden mussel
Mollusks	*Potamopyrgus antipodarum*	New Zealand mud snail
Crustaceans	*Bythotrephes longimanus*	Spiny water flea
Crustaceans	*Cercopagis pengoi*	Fishhook water flea
Crustaceans	*Cherax destructor*	Yabby
Crustaceans	*Cherax tenuimanus*	Marron
Crustaceans	*Dikerogammarus villosus*	Killer shrimp
Crustaceans	*Eriocheir sinensis*	Chinese mitten crab
Crustaceans	*Faxonius virilis*	Virile crayfish
Crustaceans	*Hemimysis anomala*	Bloody-red shrimp
Crustaceans	*Procambarus clarki*	Red Swamp crayfish
Plant	*Butomus umbellatus*	Flowering-rush
Plant	*Egeria densa*	Brazilian waterweed
Plant	*Hydrilla verticillata*	Hydrilla
Plant	*Hydrocharis morsus-ranae*	European frog-bit
Plant	*Iris pseudacorus*	Yellow iris
Plant	*Ludwigia peploides*	Creeping water primrose

Type	Scientific Name	Common Name
Plant	*Lysimachia nummularia*	Moneywort
Plant	*Lythrum salicaria*	Purple loosestrife
Plant	*Marsilea quadrifolia*	European water clover
Plant	*Myriophyllum aquaticum*	Parrotfeather
Plant	*Myriophyllum spicatum*	Eurasian watermilfoil
Plant	*Najas minor*	Brittle naiad
Plant	*Nelumbo nucifera*	Pink lotus
Plant	*Nitellopsis obtusa*	Starry stonewort
Plant	*Nymphoides peltata*	Yellow floating heart
Plant	*Phalaris arundinacea*	Reed canary grass
Plant	*Phragmites australis*	Common reed
Plant	*Pistia stratiotes*	Water lettuce
Plant	*Potamogeton crispus*	Curly-leaf pondweed
Plant	*Trapa natans*	Water chestnut
Plant	*Typha angustifolia*	Narrow-leafed cattail
Plant	*Typha x glauc*	Hybrid cattails (cross of invasive and common)

Another invasive species that has the potential to impact Scioto County and the surrounding counties in Ohio includes the Mute Swan, an invasive species found on public lakes across Ohio, originally known as winter visitors with the first published record in the United States in 1936 and Ohio in 1987. During the breeding season, March through May, adult mute swans become highly territorial and will fight to push native birds out of their nesting area and will attack humans and pets. Mute swans can consume submerged aquatic vegetation and usually uproot the whole plant leaving nothing behind. This takes away natural habitat from fish and leaves little food source for native waterfowl. The removal of aquatic vegetation can also cause water quality issues and erosion problems.

History

Beyond species already identified as established in Scioto County, it is possible that any of the other species listed above have at one point affected the County and its residents.

Probability

Since there are many invasive species throughout Ohio, it is probable that Scioto County will experience one or more of the invasive species listed above (**Tables 4.5.3 and 4.5.4**).

Vulnerability Assessment

Infrastructure Impact

There are no likely impacts to public roadways or utilities. Public trees may be destroyed or impacted by various invasive species. Aquatic invasive species could destroy water quality, make poor habitat for fish, and clog water intake pipes. Some species also increase fire potential and can be problematic to levees, dams, and irrigation systems.

Population Impact

There are no likely impacts on the local population. Recreational activities such as boating and fishing may be mildly impacted.

Property Damage

Property damage, in the form of reduced values from impacts on landscaping, is possible.

Loss of Life

Loss of life because of invasive species is very unlikely. Some of these species consumed as food could lead to diseases and other health impacts in humans.

Economic Losses

Economic impacts can vary greatly depending on the target and the invasive species and their impacts on those targets. Agricultural and horticultural revenue losses may be experienced if crops and plants are affected by an invasive species. Also, there may be indirect economic losses with degradation of forested lands and tree canopies. Examples include reduction in viable lumber for construction, increased heating and cooling costs, and reduced property value.

Climate Change

According to the Fifth National Climate Assessment, warming temperatures caused by climate change are aiding in the spread of invasive species. Climate change can favor non-native invading species over native ones due to the tolerance of invasive species to warmer climate zones and native communities' decreased resistance to the new weather conditions.

Future Trends

Land Use and Development Trends

Slight impacts on development and land use due to invasive species are possible. Some invasive species can be particularly damaging to crops, agricultural land, and wetlands. Future development may involve site investigation to identify any potential invasive species on a property.

4.6 Landslide and Mine Subsidence

Description

The Ohio Department of Natural Resources (ODNR) defines a landslide as "a variety of downslope movements of earth materials. Some slides are rapid, occurring in seconds, whereas others may take hours, weeks, or even longer to develop." Landslides are commonly triggered by human-induced vibrations, over-steepened slopes, increased weight on a slope, and removal of vegetation on areas with landslide-prone slopes. Landslides can also be caused by heavy precipitation.

Subsidence is the motion of the earth's surface as it shifts downward relative to a benchmark (often sea level) of the surrounding terrain. In Ohio, the two primary causes are abandoned underground mines (AUMs) and karst. Karst is a topographic feature formed when carbonate rock, such as limestone, dolomite, and gypsum, is eroded by water draining or moving from these areas. Karsts are commonly represented as caves. There are three non-verified, suspect non-carbonate springs in Scioto County.

According to the Ohio Administrative Code 3901-1-48, mine subsidence is loss caused by the collapse or lateral or vertical movement of structures resulting from the caving in of underground mines including coal mines, clay mines, limestone mines, and salt mines. Mine subsidence does not include loss caused by earthquakes, landslides, volcanic eruptions, or collapse of strip mines, storm and sewer drains, or rapid transit tunnels. Several factors determine the potential for mines to collapse including depth, mining technique used, types of rock and/or soils, and the development on the ground surface. Additionally, abandoned underground coal mines in Ohio have the potential to discharge acidic water which, if discharged into creeks or streams, can alter the chemical composition of the water habitat and cause considerable harm to sensitive aquatic life.

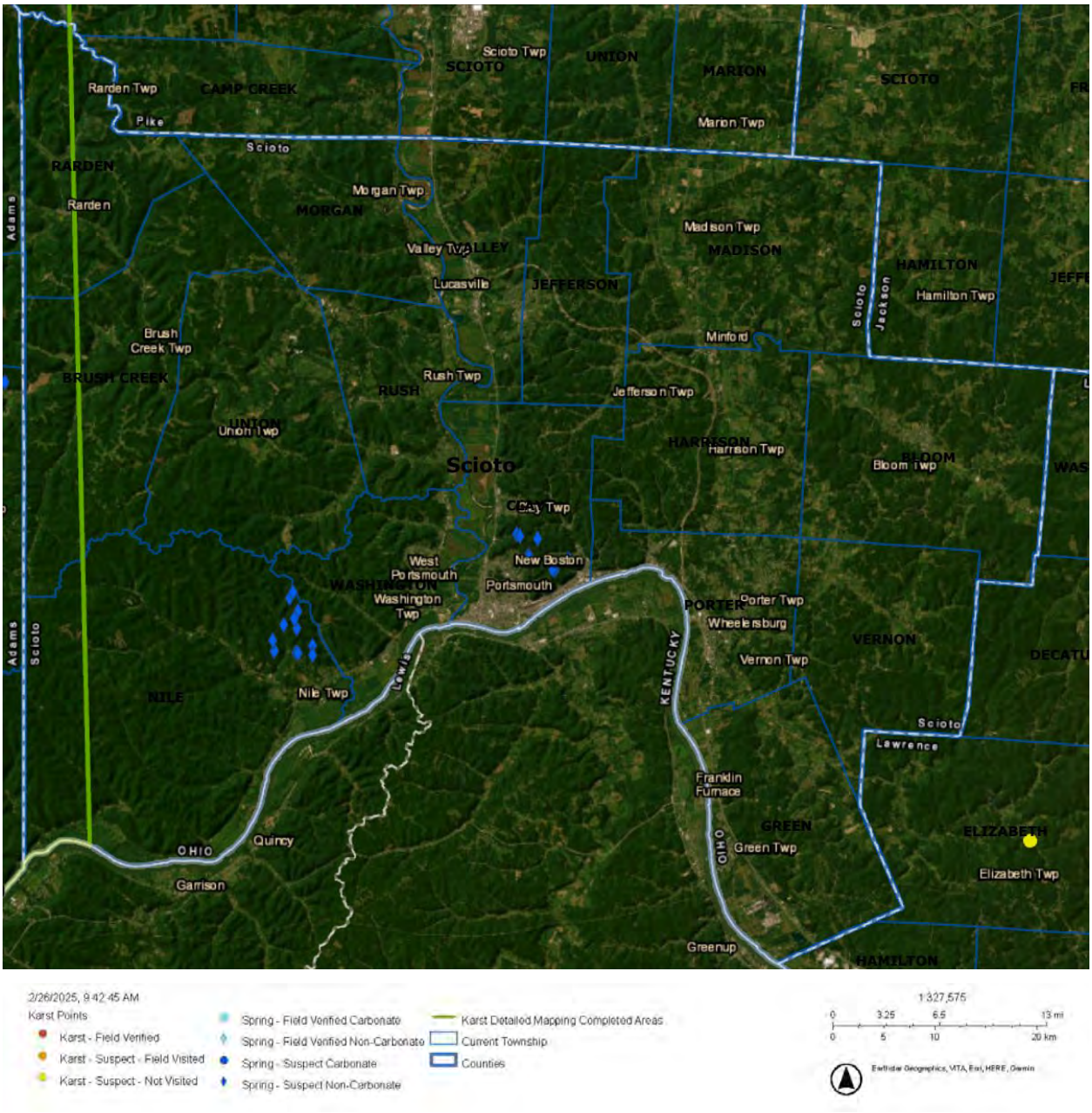
Location

Figure 4.6.1 is a snapshot of the ODNR Karst Interactive Map for Scioto County. The map shows areas of verified Karst fields, verified springs with carbonate in south central Scioto County. **Figure 4.6.2** shows the location of areas impacted by bedrock and glacial drift overlay.

Figure 4.6.3 shows the location of abandoned underground mines in Ohio. Scioto County's underground mines are in eastern Scioto County where coal is located. **Figure 4.6.4** shows which counties have the option or are required to obtain mine subsidence insurance. Scioto County is in Region Three, and all but six counties in Region Three require land subsidence insurance, including Scioto County.

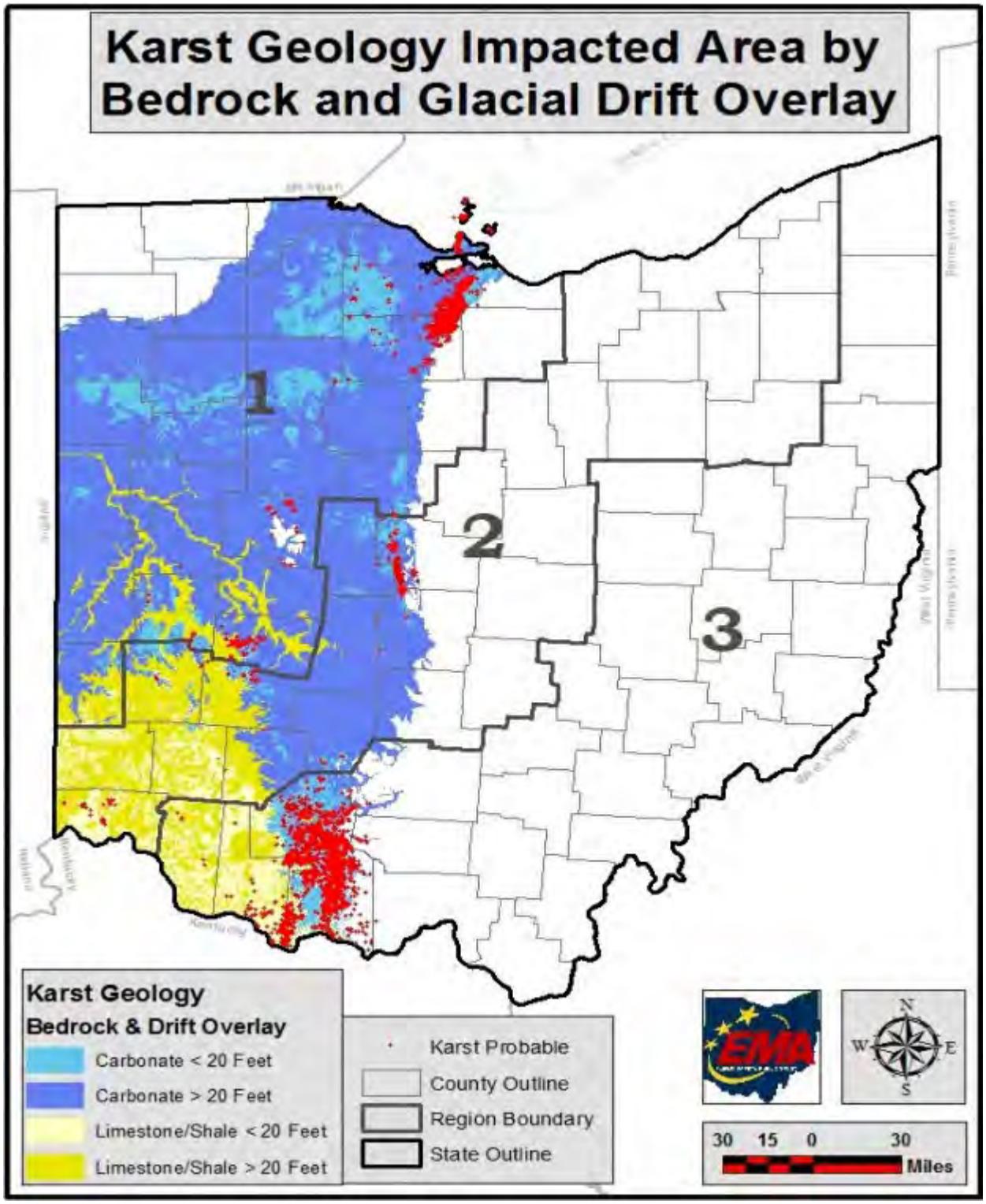
Figure 4.6.5 shows the location of areas at risk for landslides. Scioto County is in region three and has moderate incidence and high susceptibility of landslides. The map displays both the incidence of landslides and susceptibility of the land surface to landslides. Briefly, the map was constructed by evaluating geologic units shown on the geologic map of the United States (King and Beikman, 1974) and classifying them as having high, medium, or low landslide incidence based on number of known landslides, and as having the high, medium, or low susceptibility to landslide. High incidence was assigned to map units (indicated in red on the map) having more than 15 percent of their area involved in landslide; moderate incidence (in tan) to those having between 15 and 1.5 percent; and low incidence (in yellow) to those having less than 1.5 percent.

Figure 4.6.1: ODNR Karst Interactive Map



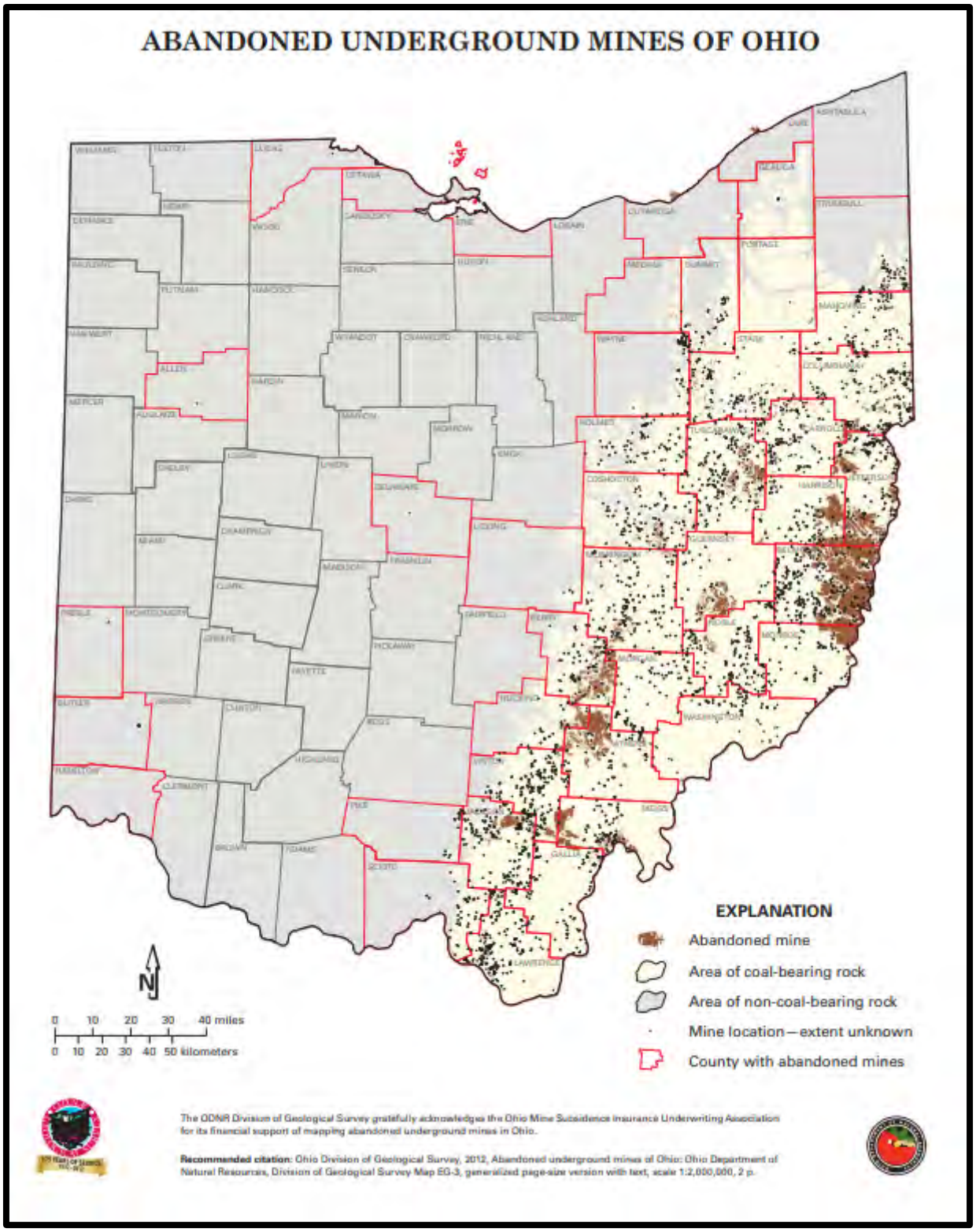
Source: Ohio Department of Ohio Natural Resources

Figure 4.6.2: Karst Geology Impacted Area by Bedrock and Glacial Drift Overlay



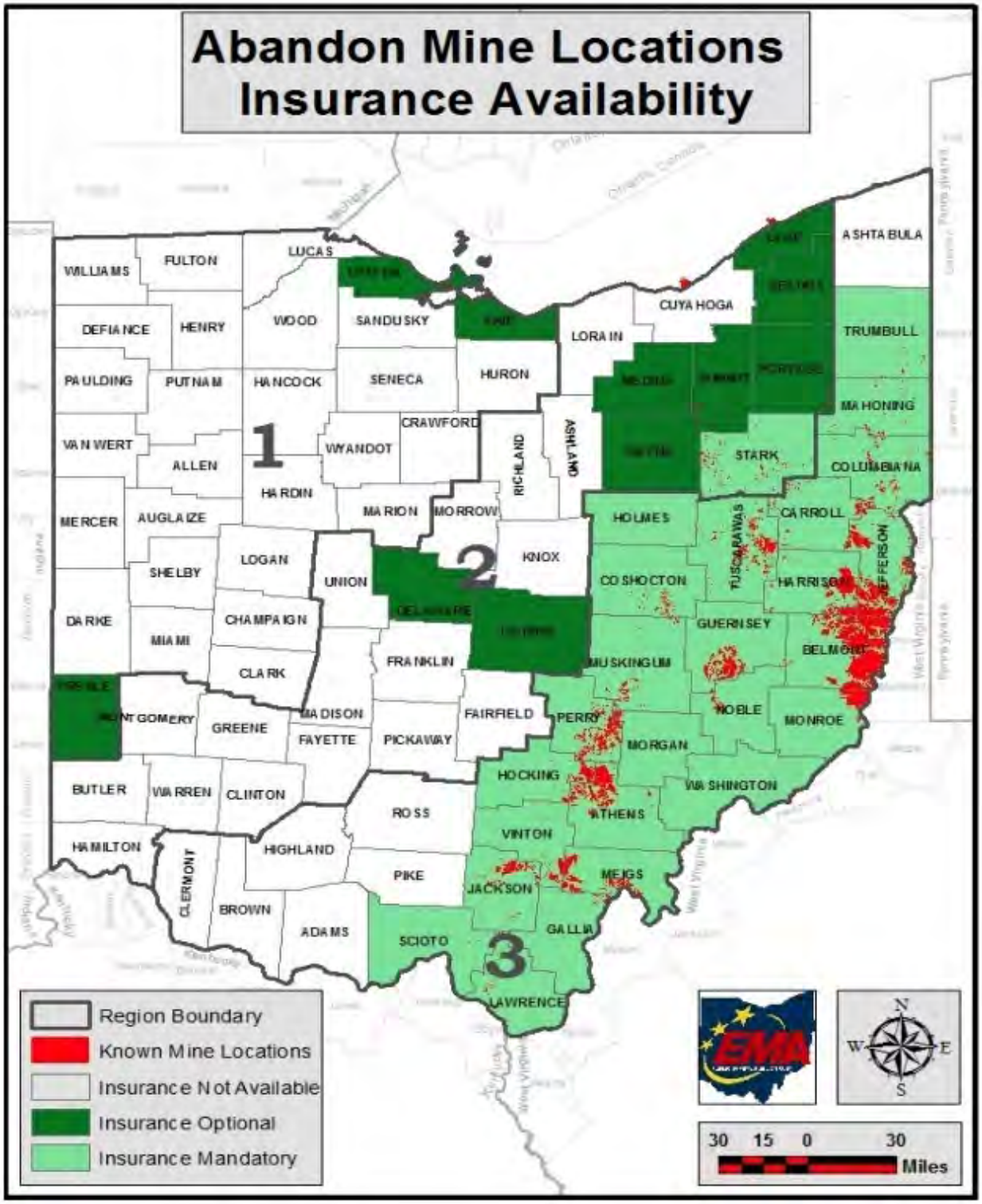
Source: State of Ohio Enhanced Hazard Mitigation Plan

Figure 4.6.3: Landslide Incidence and Susceptibility Map



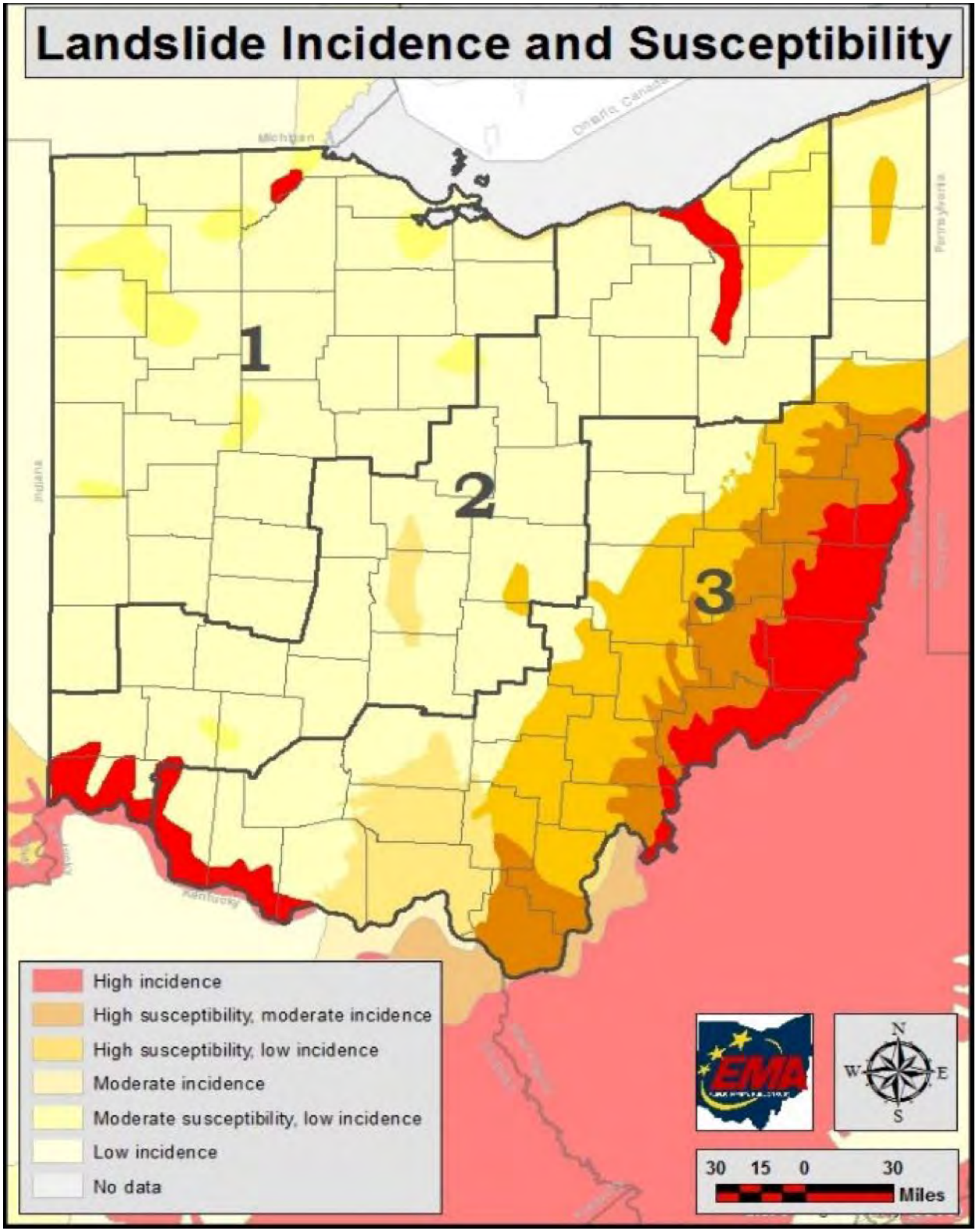
Source: Ohio Department of Natural Resources

Figure. 4.6.4: Abandon Mine Locations and Insurance Availability



Source: State of Ohio Enhanced Hazard Mitigation Plan

Figure 4.6.5: Landslide Incidence and Susceptibility Map



Source: State of Ohio Enhanced Hazard Mitigation Plan

Extent

According to ODNR Division of Geologic Survey, Scioto County is home to five bedrock formations: the Peebles Dolomite, Lilley Formation, Bisher Formation Undivided; the Ohio and Olentangy Shales Undivided; the Sunbury Shale, Berea Sandstone, and Bedford Shale Undivided; the Logan and Cuyahoga Formations Undivided; and the Allegheny and Pottsville Groups Undifferentiated. These formations include a mix of shale, siltstone, sandstone, conglomerate, limestone, underclay, coal, and flint.

There are three major types of landslides:

1. Rotational slump, or a mass of weak rock or sediment moving as a block unit along a slope. These are the largest types of landslides found in Ohio.
2. Earthflow, or a mass of rock or sediment flowing downslope. These are the most common landslides in Ohio.
3. Rock fall, or a rapid downslope movement of large blocks of bedrock. Most rockfalls in Ohio involve sandstone or limestone that have been weakened by surface water.

According to the Ohio Mine Subsidence Insurance Underwriting Association, mine subsidence is caused by the collapse of underground mines causing damage or movement to a property and/or structure located above. Mine Subsidence insurance is required for 26 counties and optional for 11 counties in Ohio. Annual insurance premiums are $1.00 for the mandatory counties and $5.00 for optional counties. Scioto County residents are required to enroll in Mine Subsidence Insurance.

History

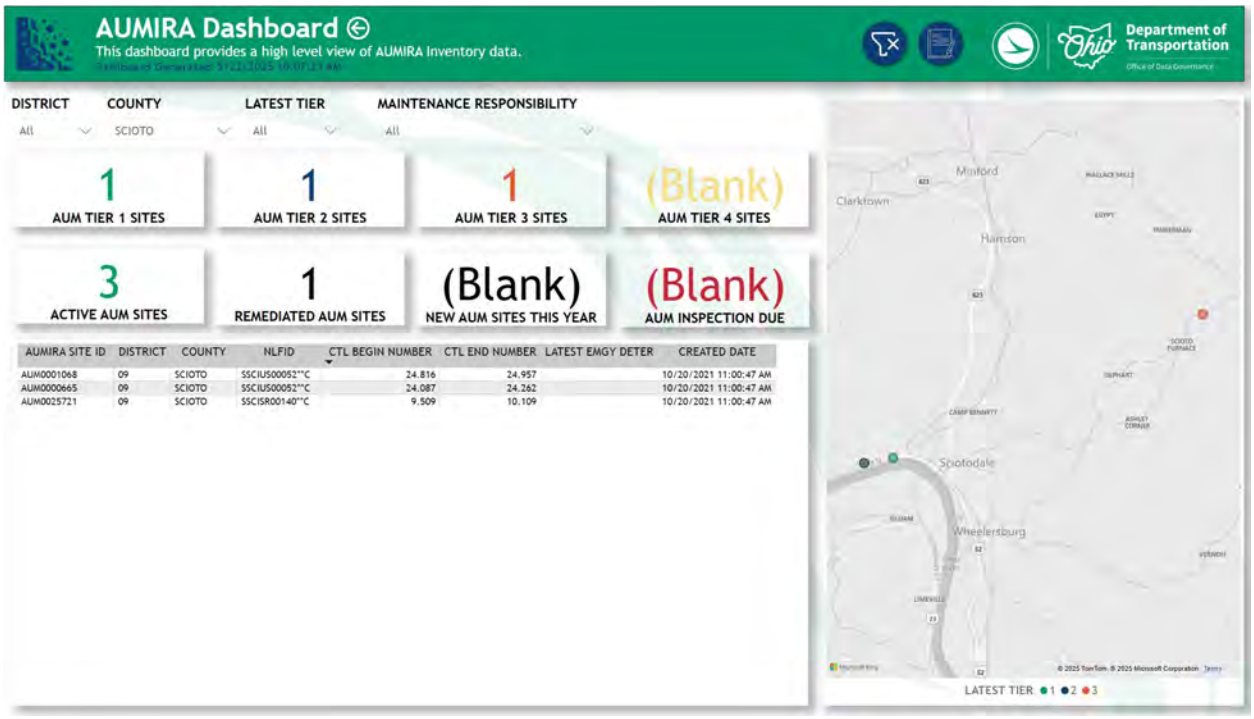
According to the Ohio Department of Transportation (ODOT) there have been three active abandoned underground mines with tier assignments in Scioto County; one Tier 1, one Tier 2, and one Tier 3. (**Figure 4.6.6**).

According to the Ohio Department of Transportation (ODOT) there have been 212 landslides in Scioto County. Most of the landslides occur along major roadways, including S.R. 73, S.R. 104, S.R. 125, S.R. 248, S.R. 335, S.R. 823, U.S. Highway 23, and U.S. Highway 52 (**Figure 4.6.7**). Of the 212 landslides, 11 are rated Tier 3, 13 are rated Tier 2 and 188 are rated Tier 1. Tier 1 sites do not require a detailed rating and have a low probability of additional movement and a low probability of significant impact to an ODOT asset or adjacent property. Tier 2 ratings are for sites with moderate risk and do require a re-inspection every three years. Tier 3 ratings are for sites with high risk and require a re-inspection every two years. The landslide manual, developed by ODOT Office of Geotechnical Engineering (OGE), provides detailed information on the procedure for landslide data collection and landslide hazard assessment using the ODOT rating matrix.

There have been 241 rock slopes in Scioto County. Most of the rock slopes occur along major roadways, including S.R. 73, S.R. 104, S.R. 125, S.R. 248, S.R. 335, S.R. 823, U.S. Highway 23, and U.S. Highway 52, (**Figure 4.6.8**). Of the 241 rock slopes, 21 are rated Tier 3, 31 are rated Tier 2, and 189 are rated Tier 1. Similar to landslides, Tier 1 rock slopes are non-rated and do not require a detailed data collection. The ODOT OGE developed a rock slope manual that details the data collection procedures for rock slopes.

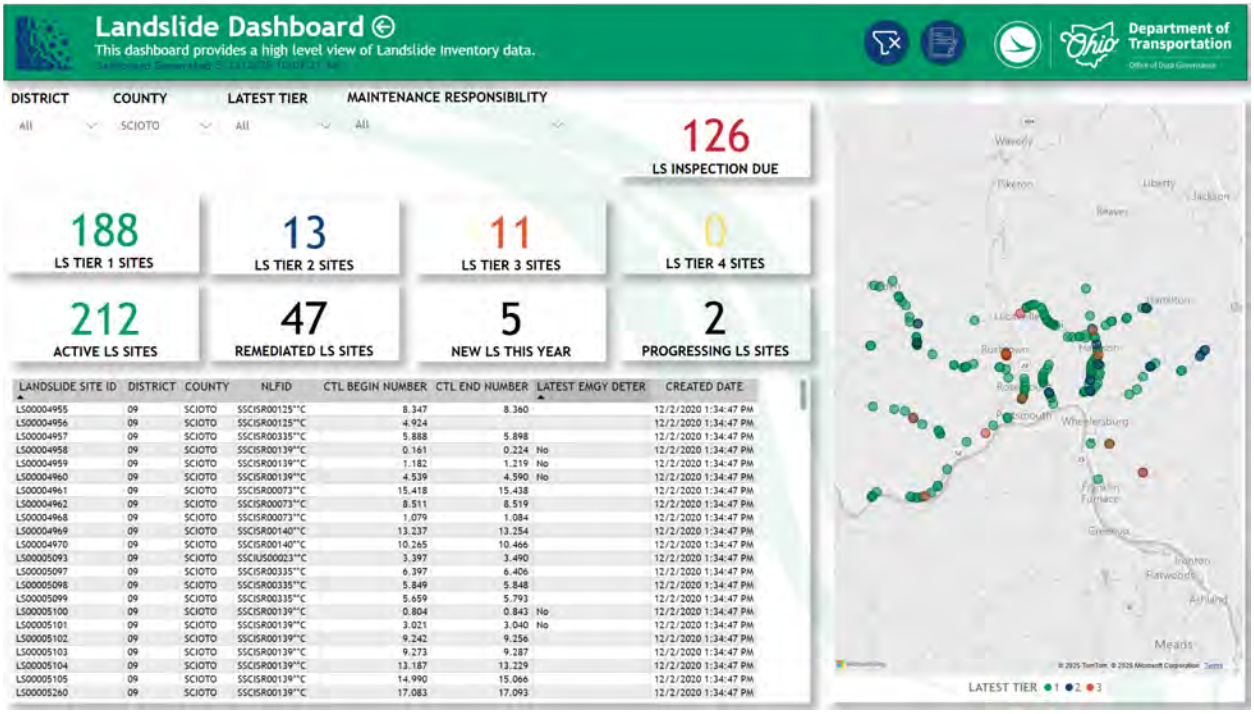
Since incidents of landslides and rockslides often go unreported, individual sites are an accurate way to discuss both past problem areas and future probability of events. The most common tier in the County is Tier 1, with 377 combined Tier 1 sites.

Figure 4.6.6: AUMIRA Dashboard for Scioto County



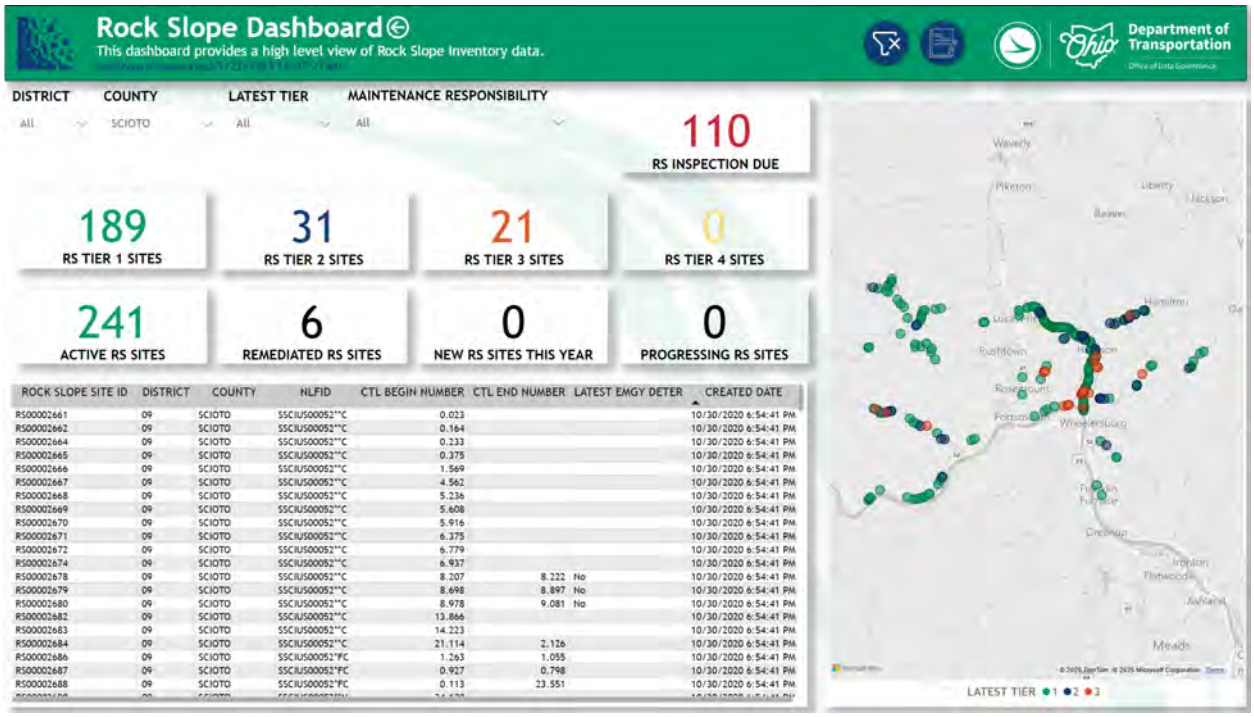
Source: Ohio Department of Transportation Geohazards Dashboard

Figure 4.6.7: Landslide Dashboard for Scioto County



Source: Ohio Department of Transportation Geohazards Dashboard

Figure 4.6.8: Rock Slopes Dashboard for Scioto County



Source: Ohio Department of Transportation Geohazards Dashboard

Table 4.6.9 shows the County's insurance claims, claim payments, and policies. The number of policies fluctuates between 2020 and 2023. In 2021, there were 44,134 policies held, which is an outlier.

Table 4.6.9: Insurance Claims and Payments

Year	Open Claims	Closed Claims	Claim Payments	Policies
2023	1	1	$0	20,449
2022	1	1	$0	20,672
2021	0	0	$0	44,134
2020	0	0	$0	20,621

Source: Ohio Mine Subsidence Insurance Underwriting Association

Probability

According to the ODNR, Scioto County falls within an area of moderate risk for slope failure and landslides and rock slopes should be considered a likely event. The 1870 Ohio Mine Law required a mine be registered if it had more than ten employees and mined more than 200,000 tons of coal. This leaves an undocumented number of smaller mines that closed prior to 1870. There are a known 6,000 underground mines in Ohio. On February 08, 2022, the federal government granted the State of Ohio $46.4 million to reclaim abandoned coal mines. There are no documented mine collapses in Scioto County and mine subsidence should be considered an unlikely event.

Vulnerability Risk Assessment

Infrastructure Impact

Landslides can block or damage roadways, and damage existing utility infrastructure. Mine subsidence can occur under existing roadways or utility infrastructure causing anything from minor damage to complete destruction.

Population Impact

Landslides and mine subsidence can cause injury or death if a person is struck by or trapped under falling earthen material. Mine subsidence can cause sinkholes under occupied structures which could lead to injuries.

For social vulnerability, mine subsidence is not listed in the National Risk Index, but landslide is listed with a score of 92.6 (relatively moderate). The index indicates an expected annual loss of $168,000 due to landslides if one were to occur, however there are zero events expected to occur each year.

Property Damage

Properties caught in the path of a landslide can be destroyed or severely damaged. Properties, including their structures, can be destroyed by mine subsidence.

Potential economic losses and damage associated with Scioto County for Landslides according to FEMA's National Risk Index are recorded in **Table 4.6.10** below. This table lists expected annual losses (EAL) for buildings, expected annual loss for population equivalence, and expected annual loss (EAL) for agriculture in Scioto County. The census tracts are sorted below by total expected annual loss, from highest to lowest.

Table 4.6.10: Structure and Population Vulnerability from Landslides

Census Tract	Expected Annual Loss (Agriculture)	Expected Annual Loss (Building)	Expected Annual Loss (Population Equivalence)	Expected Annual Loss (Total)
39145004000	$8,251	$1,587	$0	$9,839
39145003100	$6,069	$2,147	$0	$8,216
39145003600	$4,372	$1,637	$0	$6,009
39145002600	$4,063	$508	$0	$4,571
39145002100	$2,773	$906	$0	$3,679
39145002400	$2,580	$655	$0	$3,235
39145003800	$1,729	$432	$0	$2,161
39145002902	$1,304	$372	$0	$1,676
39145002200	$1,062	$356	$0	$1,418
39145003000	$939	$239	$0	$1,178
39145002300	$923	$251	$0	$1,174
39145002700	$466	$54	$0	$521
39145002500	$165	$63	$0	$228
39145002901	$146	$36	$0	$182
39145003900	$78	$40	$0	$119

Census Tract	Expected Annual Loss (Agriculture)	Expected Annual Loss (Building)	Expected Annual Loss (Population Equivalence)	Expected Annual Loss (Total)
39145002800	$3	$1	$0	$4
39145003200	$1	$0	$0	$1
39145003300	$0	$0	$0	$0
39145003400	$0	$0	$0	$0
39145003500	$0	$0	$0	$0
Grand Total	**$34,925**	**$9,286**	**$2**	**$44,212**

Source: FEMA National Risk Index

Loss of Life

Loss of life is possible during sudden mine subsidence or landslides. However, there are no known fatalities in Scioto County due to mine subsidence or landslides.

Economic Losses

Landslides and mine subsidence can block or destroy sections of roadways vital to shipping. Stores, storage facilities, and other structures that are important to economic activity can also be severely damaged or destroyed. It can also be quite expensive to repair sinkholes when they occur.

Future Trends

Land Use and Development Trends

Uses that serve vulnerable populations, such as schools and hospitals, should not be placed in areas that are in high-risk zones for landslides.

In 2023, Scioto County authorized seven new residential units at a total value of $2,116,000. Though there are more buildings slated for construction, the population is projected to decrease in the future. By 2030 Scioto's population is expected to decrease from 71,969 in 2023 to 67,788 (5.8 percent loss), and 60,783 (10 percent loss) by 2040. More buildings but less people may potentially mean more property loss but less population vulnerability. Development should be limited to areas with minimal slope to reduce potential losses during landslides. Development should also consider low-impact techniques to reduce the likelihood of runoff from precipitation and therefore reduce the risk of landslides. If new residential construction units are within areas with steep slopes, it would increase property and population vulnerabilities in those areas.

Using the United States Geological Survey Landslide Inventory and Susceptibility map as a resource for mapping, future land use changes can reduce the potential of property damage. The map depicts areas that have increasing susceptibility to landslides. For Scioto County there are several long stretches of state highways, roads, and rivers that have increasing susceptibility to landslides.

Climate Change

According to the Midwest chapter of the Fifth National Climate Assessment, the likelihood of precipitation has increased five to 15 percent, and the amount of rain falling during heavy precipitation events has increased by 45 percent on average between 1958 to 2021. Extreme precipitation could increase the likelihood of landslides in areas with steep slopes. Flooding caused by heavy precipitation could also increase the rate of runoff for acid mine drainage along rivers and streams. More frequent and intense rain events can also increase erosion rates and lead to greater amounts of sediment runoff into rivers, lakes, and streams (U.S. Environmental Protection Agency 2023).

4.7 Severe Summer Weather

Description

Severe summer weather events may include severe thunderstorms and thunderstorm winds, hail, and lightning. High winds, tornadoes, and flooding may also be related to severe summer storms, and due to the potential threat of these events, they are each discussed in separate risk assessments. While tropical storms and hurricanes are also forms of severe storms, Scioto County does not have any record of such events affecting the County; therefore, the County has not deemed tropical storms and hurricanes to be a threat, and these specific types of weather will not be addressed further.

According to the National Weather Service (NWS), a severe thunderstorm is a thunderstorm that produces a tornado, has winds of at least 58 MPH, and/or hail at least one inch in diameter. A Severe Thunderstorm Watch is issued by the NWS if conditions are favorable for the development of severe thunderstorms. A watch is usually in place for four to eight hours, during which time people should be prepared to move to a safe place if threatening weather approaches.

A Severe Thunderstorm Warning is issued if either the WSR-88D radar indicates a severe thunderstorm or if a spotter reports a storm producing hail or winds meeting the criteria outlined in the description above. The WSR-88D radar is an advanced Weather Surveillance Doppler Radar utilized by the NWS to generate a radar image. The NWS recommends that people in the affected area seek safe shelter immediately, as severe thunderstorms have the potential to produce tornadoes with little-to-no advance warning. Lightning frequency is not a criterion for issuing a severe thunderstorm warning. The warnings are usually issued for one hour and can be issued without a Severe Thunderstorm Watch already in effect. The National Weather Service Forecast Office in Cleveland, Ohio, is responsible for issuing Severe Thunderstorm Watches and Warnings for Scioto County.

Lightning is caused by a rapid discharge of electrical energy that has built up in the atmosphere between clouds, the air, or the ground. Lightning strikes can be either direct or indirect. A direct strike is when lightning strikes a building or a specific zone, which can result in fusion points melting holes of varying sizes at the point of impact of materials with high resistivity. An indirect lightning strike is when lightning causes power surges that disrupt electrical equipment.

Severe summer weather can also create strong winds – often called “straight-line” winds – to differentiate thunderstorm winds from tornadic winds. These winds, which have the potential to cause damage, are caused by an outflow generated by a thunderstorm downdraft.

Hail is a type of frozen precipitation that occurs when thunderstorm updrafts carry raindrops upward into extremely cold atmospheric zones where they freeze before falling to the ground. The resulting hailstones can fall at speeds greater than 100 MPH and range in size from smaller than 0.50 inches (the size of a pea) to 4.5 inches (the size of a softball) (Source: National Weather Service).

The NWS can issue various types of wind advisories and warnings. A **Wind Advisory** is issued when sustained winds of 31 to 39 MPH are reached for an hour or more and/or if there are wind gusts of 46 to 57 MPH for any duration. A **High Wind Watch** indicates that sustained, strong winds are possible, and outdoor items should be secured. People should modify plans, so they are not caught outside. Additionally, a **High Wind Warning** indicates that sustained, strong winds (40 MPH or greater) with even stronger gusts (greater than 58 MPH) are happening. People should seek shelter, and those driving should keep both hands on the wheel and slow down. An **Extreme Wind Warning** is issued for surface winds of 115 MPH or greater associated with non-convective, downslope, derecho (not associated with a tornado), or sustained hurricane winds that are expected to occur within one hour.

Location

Severe summer weather is a countywide hazard, and all of Scioto County is susceptible to severe summer weather.

Extent

Severe summer weather events have the potential to create large-scale damage in Scioto County. Specifically, lightning is responsible for approximately 20 deaths annually across the United States, as well as hundreds of injuries (Source: NOAA). Winds associated with severe summer storms have the potential to cause damage by bringing down tree limbs and generating widespread power outages. Additionally, hail can result in property damage. Severe summer storms can lead to flooding, downed trees and power lines, and other dangerous conditions.

History

According to the National Centers for Environmental Information (NCEI), there have been 255 high-, strong-, or thunderstorm-wind events, six heavy rain events, three heat events, and 83 hail events recorded in Scioto County from January 1995 to December 2023. These events resulted in $10,478,262 in property damage and $0 in crop damage. One death and two injuries were caused by thunderstorm wind events in Scioto County. All severe storm events from 1995 to 2023 are summarized in **Table 4.7.1**, below:

Table 4.7.1: Thunderstorm-Related Events in Scioto County since 1995

Severe Storm Event Type	Number of Events	Death	Injuries	Property Damage	Crop Damages
Hail	83	0	0	$49,000	$0
Heat	3	0	0	$0	$0
Heavy Rain	6	0	0	$2,000	$0
High Wind	11	0	0	$9,024,500	$0
Strong Wind	1	0	0	$5,000	$0
Thunderstorm Wind	243	1	2	$1,397,762	$0
Grand Total	**347**	**1**	**2**	**$10,478,262**	**$0**

Source: NOAA Storm Events Database

Scioto County has not had a disaster declaration for severe storms since the previous hazard mitigation plan in 2020. However, since June 1968, the County has been subject to two Major Disaster Declarations (DR) and one emergency declaration (EM) for severe storms. Several of the most damaging events, events with emergency or disaster declarations, and events that resulted in deaths and/or injuries are described in more detail below.

Thunderstorm Wind Event, May 17, 2019:

In May of 2019, thunderstorms caused numerous downed trees and powerlines. Trees were blown down across U.S. 52 and Millers Run-Fallen Timber Road. Trees also damaged a house, and winds blew the roof off a hardware store. One man was injured when his camping trailer was overturned near Edmunds Switch. Property damages reported for Scioto County totaled $50,000. No deaths were reported.

Thunderstorm Wind Event, June 10, 2014:

Damaging winds and minor flooding from heavy rains resulted from the interaction of atmospheric moisture and an unstable air mass over southern Ohio on June 10, 2014. Thunderstorm winds blew over more than 30 trees in Green Township, damaged outbuildings and windows of a building near Haverhill, and caused an injury when an individual was trapped by a downed tree. Reported property damaged reached $61,000 in Scioto County. No deaths were reported.

Emergency Declaration for Severe Storms, June 29, 2012 - July 2, 2012:

At the end of June 2012, a heatwave gripped much of the Mid-Atlantic, helping to fuel severe weather. A line of powerful thunderstorms brought derecho winds with gusts estimated to reach 80 MPH causing extensive damage to the Ohio Valley and Mid-Atlantic states on the afternoon of June 29. Around four million residents lost power for almost a week and were at risk of heat-related illness or death across several states as the winds knocked down and uprooted trees, snapped power lines and produced large hail in some areas. Ohio was one of the hardest hit states. Thunderstorm winds downed more than 200 trees, with Lucasville hit the hardest. Many homes suffered structural and roof damage, and a barn was destroyed. On June 30, 2012, an emergency declaration (EM-3346-OH) was issued for all counties in Ohio. $163,000 property was reported in Scioto County for this event. No injuries or deaths were reported.

Major Disaster Declaration for Severe Storms and Flooding, April 4, 2011 - May 15, 2011:

Widespread severe weather including heavy rainfall and thunderstorm resulted from an unstable airmass and warm front colliding over the region. Trees and powerlines were downed near West Portsmouth, Otway, and South Webster. Hail of 0.75 inches in diameter fell in Portsmouth, Sciotoville, and Wheelersburg, with hail 1.5 inches in diameter reported in South Webster. A Major Disaster Declaration (DR-4002-OH) was issued on July 13, 2011, offering public assistance to 21 counties In Ohio including Scioto County. Property damage reported for Scioto County was $10,000 from summer weather events. More damage was reported due to floods. No injuries or deaths were reported in Scioto County from this event.

Thunderstorm Wind Event, March 23, 2011:

In the afternoon and evening of March 23, several supercell thunderstorms developed across the Ohio Valley from an upper-level jet stream and a surface low-pressure creating damaging thunderstorm winds and hail. Several downed trees were reported in the area, with a tree falling on a woman camping at the Shawnee State Forest who died from her injuries. Property damages totaled $3,000 for this event in Scioto County. No other injuries were reported.

Thunderstorm Wind Event, July 11, 2009:

Severe thunderstorms brought damaging winds, hail, flooding, and tornadoes across the region in July 2009. Straight-line winds devastated an area of about five miles in Wheelersburg as over 600 trees were blown over, six barns were destroyed, and another two damaged, and the dugouts of a local baseball field also sustained damage. In total, the event resulted in $60,000 of property damage, with no injuries or deaths in Scioto County.

Major Disaster Declaration of Severe Storms and Flooding, August 7, 1995 – August 18, 1995:

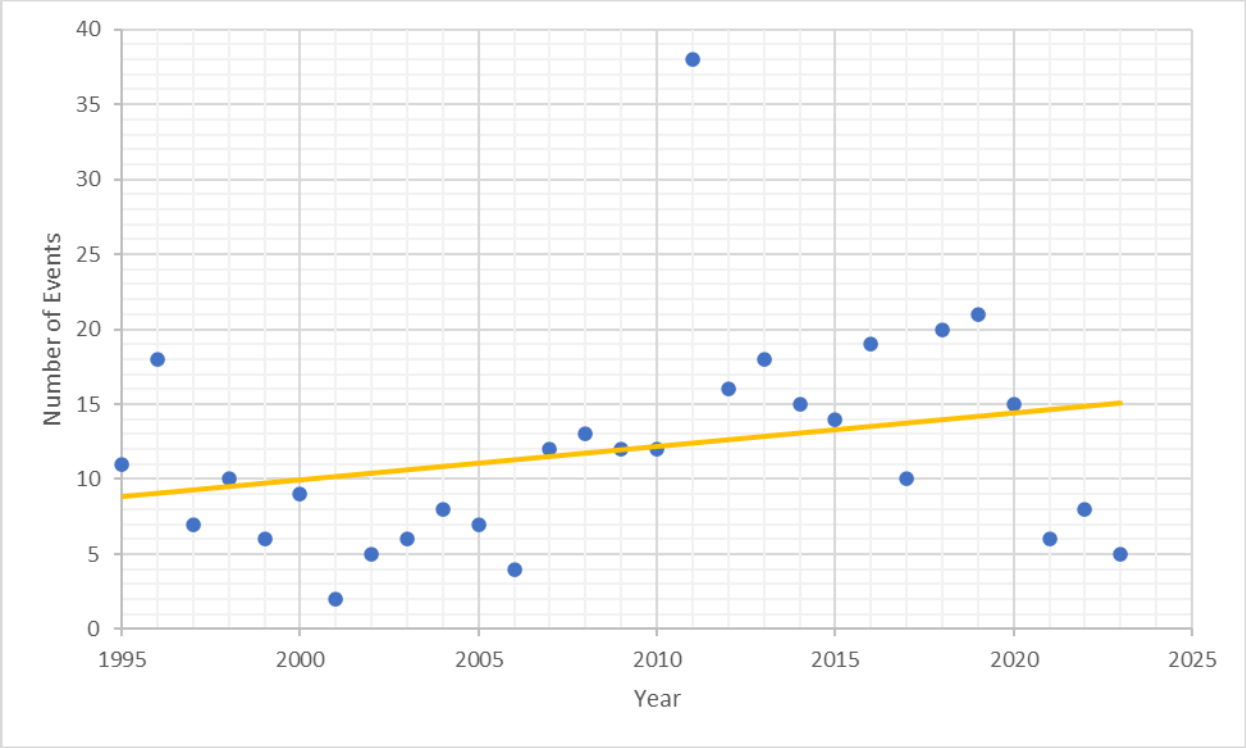
A line of severe thunderstorms moved through southern Ohio in August 1995. Multiple trees and powerlines were damaged or downed by thunderstorm winds. A Major Disaster Declaration (DR-10625-OH) was issued on August 25, 1995, offering individual assistance to 11 counties In Ohio including Scioto County. Property damage reported for Scioto County was $10,000 from summer weather events. A total of $3,000 in property damage was reported for Scioto County. No injuries or deaths were reported.

Probability

According to the NCEI, there were 347 severe summer storm events reported in Scioto County from January 1995 to December 2023 with total losses reaching $10,478,262 in property damage and $0 in crop damage. This amounts to around 12 severe summer storm events annually with average annual damages of approximately $361,319. **Figure 4.7.2** below shows the trend in number of severe summer weather events per year since 1995. In 2011 38 severe summer weather events were reported, the most of the last 29 years. In 2019, the County reported the second most events with 21.

Preliminary research suggests that the frequency and intensity of severe thunderstorms could increase as the climate changes, according to the National Climate Assessment. The Climate Change section in Future Trends discusses climate change further.

Figure 4.7.2: Severe Summer Storm Probability



Source: NOAA

Vulnerability Assessment

Infrastructure Impact

Above-ground infrastructure is at risk for storm damage by wind and falling debris. For infrastructure, high winds and hail are the most damaging part of a severe storm. Thunderstorm winds can strip bark from trees and detach limbs. If large branches fall, they can damage buildings and above-ground infrastructure. In the most severe storms with high winds, large trees can be uprooted and have the potential to fall on buildings including houses, which can cause harm or death.

Utilities are also at risk of damage from severe summer storms. Electrical lines are spread throughout the County, connecting homes, businesses, and other facilities. Severe storms are likely to down tree limbs and generate other debris that can affect above-ground electrical lines causing power outages. Downed power lines that are still live are extremely hazardous and can cause death by electrocution.

Population Impact

Summer storms are random in nature and affect the entire area of the County. Everyone within the County should be prepared during a storm event. Populations residing in mobile home parks are particularly vulnerable and should seek shelter.

According to FEMA's National Risk Index, Scioto County was scored a 57.1 ("relatively low") risk from the negative impacts of natural hazards, based on a relatively high social vulnerability, relatively low expected annual loss, and relatively moderate community resilience, compared to all other counties in the U.S. The risk for individual hazard events associated with severe summer weather are as follows: 14.3 ("very low") for hail, 78.1 ("relatively moderate") for lightning, and 63.3 ("relatively moderate")

for strong wind. The index also calculates an expected annual loss of $12,465 due to hail events, $240,880 due to lightning events, and $455,069 due to strong wind events, with 3.2, 80.7, and 1.8 events occurring per year, respectively.

Property Damage

As described above, severe summer weather events have caused an average of $361,319 in average annual property damage from 1995 to 2023. Due to the non-site-specific nature of this hazard, **Tables 4.7.3 - 4.7.5** list all structures within Scioto County as having potential impacts from severe storms.

Loss of Life

Thunderstorm wind events caused one death and two injuries in Scioto County between January 1995 and December 2023. All of Ohio has the potential for injuries and fatalities during severe summer weather.

Economic Losses

Severe summer weather has the potential to damage infrastructure, resulting in the economic burden of clean up and repairs, as well as the economic loss from deaths and injuries. Expected annual loss (EAL) rates, calculated by FEMA, identify the total value of loss expected each year for a particular community, in this case Scioto County census tracts. Expected losses for buildings, population ($11.6 million for each fatality or ten injuries), and agriculture per census tract from hail, lightning, and strong wind events are recorded in **Tables 4.7.3 - 4.7.5** below. The table shows the 20 census tracts with the highest total EAL (expected annual loss) from severe summer events. The EAL Total column combines the buildings, population, and agricultural losses for each census tract. EAL calculations for buildings and population combine the totals from hail, strong wind events, and lightning.

Table 4.7.3: Structure and Population Vulnerability from Hail

Census Tract	Expected Annual Loss (Agriculture)	Expected Annual Loss (Building)	Expected Annual Loss (Population Equivalence)	Expected Annual Loss (Total)
39145002800	$445	$185	$245	$874
39145002200	$395	$178	$257	$829
39145003600	$732	$94	$0	$826
39145002400	$426	$207	$188	$822
39145002100	$400	$189	$222	$812
39145002300	$381	$188	$173	$743
39145002600	$393	$151	$188	$732
39145004000	$299	$160	$244	$703
39145003800	$470	$175	$32	$677
39145002700	$321	$192	$163	$675
39145003100	$456	$121	$1	$579
39145002902	$438	$100	$22	$560
39145003700	$422	$101	$0	$523
39145002500	$235	$112	$158	$505
39145003900	$228	$119	$116	$463

Census Tract	Expected Annual Loss (Agriculture)	Expected Annual Loss (Building)	Expected Annual Loss (Population Equivalence)	Expected Annual Loss (Total)
39145003000	$269	$139	$13	$421
39145003400	$266	$140	$0	$406
39145002901	$244	$145	$6	$395
39145003300	$274	$89	$0	$363
39145003500	$269	$83	$0	$352
Grand Total	**$7,363**	**$2,867**	**$2,028**	**$12,258**

Source: FEMA National Risk Index

Table 4.7.4: Structure and Population Vulnerability from Lightning

Census Tract	Expected Annual Loss (Agriculture)	Expected Annual Loss (Building)	Expected Annual Loss (Population Equivalence)	Expected Annual Loss (Total)
39145002800	$554	$15,591	$0	$16,146
39145002200	$451	$15,513	$0	$15,964
39145003600	$549	$14,999	$0	$15,548
39145002400	$522	$14,897	$0	$15,419
39145002100	$590	$14,236	$0	$14,826
39145002300	$441	$13,656	$0	$14,097
39145002600	$519	$13,545	$0	$14,063
39145004000	$610	$12,977	$0	$13,587
39145003800	$533	$11,724	$0	$12,257
39145002700	$342	$11,679	$0	$12,021
39145003100	$376	$11,222	$0	$11,598
39145002902	$361	$10,718	$0	$11,080
39145003700	$631	$9,546	$0	$10,177
39145002500	$308	$9,115	$0	$9,423
39145003900	$313	$8,721	$0	$9,033
39145003000	$1,064	$7,818	$0	$8,882
39145003400	$568	$7,934	$0	$8,502
39145002901	$593	$7,827	$0	$8,419
39145003300	$391	$6,915	$0	$7,306
39145003500	$353	$6,598	$0	$6,951
Grand Total	**$10,068**	**$225,231**	**$0**	**$235,299**

Source: FEMA National Risk Index

Table 4.7.5: Structure and Population Vulnerability from Strong Winds

Census Tract	Expected Annual Loss (Agriculture)	Expected Annual Loss (Building)	Expected Annual Loss (Population Equivalence)	Expected Annual Loss (Total)
39145002800	$33,085	$4,470	$0	$37,555
39145002200	$21,246	$8,360	$9	$29,615
39145003600	$19,267	$9,900	$53	$29,220
39145002400	$20,306	$8,802	$64	$29,172
39145002100	$17,836	$8,502	$72	$26,409
39145002300	$20,612	$5,785	$0	$26,397
39145002600	$17,242	$8,994	$49	$26,285
39145004000	$17,514	$8,589	$57	$26,160
39145003800	$15,224	$8,691	$89	$24,004
39145002700	$19,065	$4,845	$0	$23,910
39145003100	$13,483	$5,250	$39	$18,772
39145002902	$12,041	$6,685	$0	$18,726
39145003700	$14,413	$3,492	$4	$17,909
39145002500	$10,463	$6,615	$33	$17,111
39145003900	$11,028	$5,836	$3	$16,867
39145003000	$12,379	$4,250	$0	$16,629
39145003400	$12,153	$3,954	$0	$16,107
39145002901	$10,328	$5,667	$32	$16,027
39145003300	$10,415	$5,305	$44	$15,764
39145003500	$7,951	$4,993	$1	$12,945
Grand Total	**$316,051**	**$128,986**	**$549**	**$445,585**

Source: FEMA National Risk Index

Future Trends

Land Use and Development Trends

Severe summer storms can occur anywhere, bringing an entire community or region to a standstill, including commuter and emergency transportation and medical services. Any development that has occurred since the adoption of the previous plan, and any future development, has the potential to be impacted by severe summer storms. All land uses are equally impacted by severe summer weather.

In 2023, Scioto County authorized seven new residential units at a total value of $2,116,000. Though there are more buildings slated for construction, the population is projected to decrease in the future. By 2030 Scioto's population is expected to decrease from 71,969 in 2023 to 67,788 (5.8 percent loss), and 60,783 (10 percent loss) by 2040. Building design and construction are also impacted by the intensity of summer storms. Areas prone to severe storms should have buildings designed to withstand high winds, heavy rainfall, and potential flooding to avoid structural damage. On the other

hand, proper ventilation and cooling systems are essential to manage the heat and humidity that often accompany summer storms.

It is important to maintain consistency between emergency planning, financial plans and budgets, and development planning. Zoning codes should ensure that there is adequate greenspace in existing and new developments to foster drainage and provide space for water runoff. Locating emergency facilities and partnering with emergency organizations during the planning process will help develop improved contingency responses in cases where emergency transportation and services are cut off during an extreme weather event.

Climate Change

Preliminary research suggests that the frequency and intensity of severe thunderstorms could increase as the climate changes, according to the National Climate Assessment. A warming climate may also increase the number of days with conditions conducive to a severe thunderstorm. Future modeling techniques could reveal additional information about the correlation between atmospheric changes and severe thunderstorm formation and intensity.

4.8 Severe Winter Weather

Description

Severe winter weather includes winter storms, heavy snow, and extreme cold. Winter storms including blizzards are events that have heavy snow, sleet, ice, freezing rain, or high winds as their primary type of precipitation. While the precipitation itself is typically not dangerous, frozen roads and exposure to cold can cause death and injury.

A winter storm forms under the correct combination of three conditions:

1. Below freezing temperatures in the clouds and near the ground, which are necessary to make snow and ice.
2. Lift, which raises the moist air from the clouds and causes precipitation. Warm air colliding with cold air and being forced to rise over the cold is an example of lift.
3. Moisture is needed to form clouds and precipitation. Air blowing across a body of water is a common source of moisture.

Winter storms are categorized by their type: blizzards, ice storms, lake effect storms, and snow squalls. Extreme cold events often accompany winter storms, bringing low temperatures and higher risks of frostbite and hypothermia.

- **Blizzards** are winter storms that are a combination of blowing snow and wind which lead to very low visibility. Heavy snowfalls and severe cold often accompany blizzards, but this is not required. Ground blizzards occur when strong winds pick up snow that has already fallen.
- **Ice Storms** occur when at least a quarter inch of ice accumulates on exposed surfaces. Roads and sidewalks can become dangerously slick, and trees and powerlines can easily break under the weight of accumulated ice.
- **Lake Effect Storms** are cold, dry air masses that move over the Great Lakes regions and drop the moisture as snow in the northeastern portion of Ohio near the Great Lakes area.
- **Snow Squalls** are brief, intense snow showers accompanied by strong winds. Impacts may be significant.
- **Extreme Cold Events** occur when temperatures drop below normal for the given area, and they generally coincide with winter storms or are the lasting effect of a winter storm.

Location

Winter storms are typically large events that impact large areas at once. Winter storms will impact the entire County and have the potential to impact multiple counties.

Extent

The State of Ohio Hazard Mitigation Plan 2024 lists winter storms as one of the three highest threat hazards in Ohio. The average annual snowfall in Scioto County is 6-24 inches according to NOAA, which is less than the state average of about 27 inches. Snowfall typically occurs between November and April with January being the coldest month on average.

History

There have been at least 112 winter storm events, including cold/wind chill, extreme cold/wind chill, heavy snow, ice storm, winter storm, and winter weather in Scioto County since January 1995. These events caused $2,021,000 in property damage and $0 in crop damage. No deaths or injuries were reported to the NCEI. All severe winter weather and extreme cold events from January 1995 to December 2023 are summarized in **Table 4.8.1,** below:

Table 4.8.1: Severe Winter Related Events in Scioto County since 1995

Severe Storm Event Type	Number of Events	Deaths	Injuries	Property Damage	Crop Damage
Cold/Wind Chill	1	0	0	$20,000	$0
Extreme Cold/Wind Chill	1	0	0	$0	$0
Heavy Snow	12	0	0	$1,000	$0
Ice Storm	4	0	0	$0	$0
Winter Storm	29	0	0	$2,000,000	$0
Winter Weather	59	0	0	$0	$0
Grand Total	**112**	**0**	**0**	**$2,021,000**	**$0**

Source: NOAA Storm Events Database

Scioto County has had two Disaster Declarations for winter storm events since January 1978. Declarations were for severe storm and flooding, severe winter storm and record/near record snow, and severe winter storm, flooding, and mudslides. Several of the most damaging events, events with emergency or disaster declarations, and/or events that resulted in deaths and/or injuries are described in more detail below.

Major Disaster Declaration for Severe Winter Storms, Flooding, and Mudslides, December 22, 2004 - February 1, 2005:

A fast-moving, low-pressure system descended from Canada moving southeast across the Ohio Valley and bringing 4-6 inches of snow from central Ohio to Scioto Valley beginning in late December 2004. On February 15, 2005, a major disaster declaration (DR-1580-OH) was issued for 59 counties in Ohio, offering public and individual assistance to Scioto County. An area from Greenville to Scioto County received 7-8 inches of snowfall; however, there were no reports of property damage, injuries or deaths from this event in Scioto County.

Major Disaster Declaration for Severe Winter Storm and Record/Near Record Snow, February 14, 2003 - March 3, 2003:

Abundant moisture from a warm front and low-pressure mixed with surface cold air in February of 2003, resulted in 6-8 inches of snowfall across Ohio, with the highest accumulation along I-70. Freezing rain fell over the Ohio Valley with ice accumulation from 0.25 to 0.5 inches. On March 14, 2003, a major disaster declaration (DR-1453-OH) was issued for eight counties in Ohio, offering public and individual assistance to Scioto County. Property damage in Scioto County totaled $1,500,000. No injuries or deaths were reported.

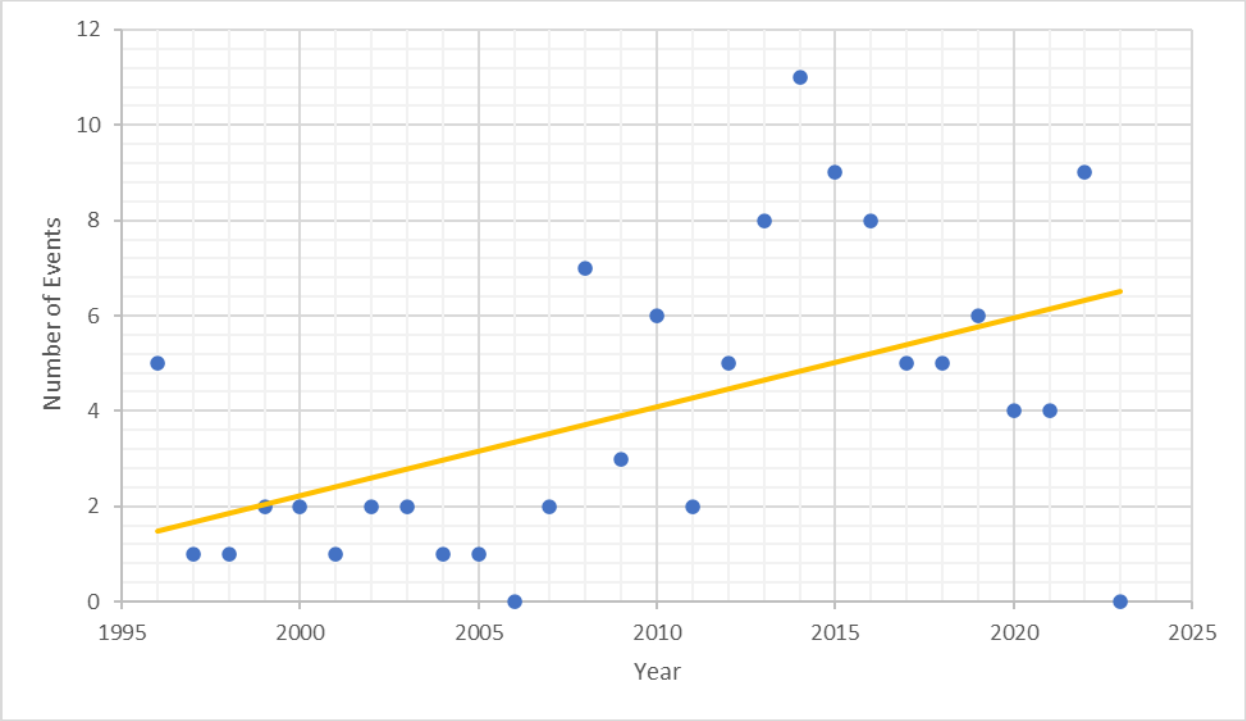
Winter Storm Event, February 6-8, 1996:

A February 1996 blizzard developed from a low-pressure system in the Gulf of Mexico and moved north up the East Coast dropping snow, sleet, and freezing rain over the region causing auto, air, and train traffic delays and power outages. The worst effects in Ohio were along the Ohio River and the I-70 corridor as wind gusts whipped up the dry, powdery snow into whiteout conditions. The weight of snow from this event, mixed with another snowstorm earlier in the week, caused the collapse and partial collapse of roofs of homes and businesses. The event caused a reported $500,000 in property damage in Scioto County, and $500 million across the eastern U.S. No reports of injuries or deaths were reported in Scioto County from this event.

Probability

According to the NCEI, there have been a total of 112 severe winter storm events reported in Scioto County from January 1995 to December 2023, with total losses amounting to $2,021,000 in property damage. Averaged over those 29 years, there were approximately 3.9 winter storm events annually with average annual damages of $69,690. **Figure 4.8.2** shows the trend of severe winter weather events between January 1995 and December 2023 increased over that timeframe. According to the Fifth National Climate Assessment, due to the warming climate, extreme winter weather events are expected to be less severe and less frequent in Ohio, and heavy snowfall will manifest as heavy rainfall in future years. The Climate Change section in Future Trends discusses climate change further.

Figure 4.8.2: Severe Winter Weather Probability



Source: NOAA

Vulnerability Assessment

Infrastructure Impact

Winter storms can cause damage to overhead utilities. Wires can collapse under the weight of accumulated snow and ice leading to disruption in communication and power supply for days. Debris can block roadways or damage property as tree limbs can also collapse under the weight of accumulated snow and ice. Water pipes can freeze under extremely low temperatures that may accompany severe winter storms. Roads and sidewalks can be blocked by the accumulation of snow and can ice over. Bridges and overpasses are particularly dangerous because they freeze before other surfaces. Heavy snowfall and accumulation can cause partial or full roof collapses in businesses and private homes. The State of Ohio Hazard Mitigation Plan 2024 estimates the annual probability of 4.5 severe winter storms annually for Scioto County.

Population Impact

All residents of Scioto County are expected to be affected by severe winter storms. Infants, older adults, sick people, and pets are more vulnerable to injuries and health conditions related to exposure to

heavy snow, ice, and lasting extreme cold temperatures. It is advisable to equip vulnerable populations with indoor easy-to-read thermometers and heating devices in locations where they are highly visible.

According to FEMA's National Risk Index, Scioto County was scored a 57.1 ("relatively low") risk from the negative impacts of natural hazards, based on a relatively high social vulnerability, relatively low expected annual loss, and relatively moderate community resilience compared to all other counties in the U.S. The risk for individual hazard events associated with severe winter weather are as follows: 32.6 ("relatively low") for cold wave, 65.7 ("relatively moderate") for ice storm, and 82.1 ("relatively moderate") for winter weather events. The index also calculates an expected annual loss of $6,061 due to cold wave, $110,463 due to ice storm, and $185,373 due to winter weather events, with 0.2, 0.5, and 2.8 events occurring per year, respectively.

Property Damage

Property can be damaged by accumulated snow and ice, debris, and falling trees and utility poles. Extreme low temperatures can also freeze the water in pipes which could cause them to explode. All buildings in the County are exposed and vulnerable to winter storms. The State of Ohio Hazard Mitigation Plan 2024 estimates annual potential losses caused by winter storms in Scioto County to be $143,463.

Property owners should weatherproof their homes and buildings and conduct regular inspections to eliminate impacts from extreme weather conditions. The Federal Emergency Management Agency (FEMA) suggests that individuals with damaged property should contact their insurance company and take photos of any damage. If individuals are uninsured or underinsured, they should seek assistance by visiting www.DisasterAssistance.gov.

Loss of Life

There were no reported deaths in Scioto County from severe winter events between January 1995 and December 2023. Most common causes of death from winter events are vehicular accidents from iced-over and dangerous roads, frostbite or hypothermia from prolonged exposure to cold, heart attacks from heavy snow shoveling, and carbon monoxide poisoning due to toxic fumes from heating sources.

A few ways to prepare and protect from extreme winter weather conditions include, but are not limited to, staying indoors during dangerous cold events, dressing warmly when outside, staying off icy and dangerous roads, equipping vehicles with an emergency supply kit, preparing for power outages, using heating devices intended for indoor use only, staying updated about emergency information and alerts, seeking medical assistance on signs of hypothermia or frostbite, and checking on neighbors.

Economic Losses

Economic losses can occur from businesses shutting down for potentially long periods of time, structural damage, and death and injury. Economic activity can be completely halted during winter storms including transportation of goods and people. Electricity outages may lead to spoiled goods. Since winter storms occur during the winter season, damage to crops is unlikely but possible. Damaged buildings and pipes, fallen trees and power lines, and costs to repair damages and remove snow further impact the economy of cities and towns. Additionally, deaths and injuries can lead to economic losses for a community. **Tables 4.8.3 - 4.8.5** show the total value of economic impacts expected in Scioto County from winter weather events.

Each table below shows the 20 census tracts with the highest total EAL (expected annual loss) from severe winter events. EAL rates, calculated by FEMA, identify the total value of loss expected each year for a particular community, in this case the census tracts for Scioto County. Each table shows expected losses for buildings, population ($11.6 million for each fatality or 10 injuries), and agriculture per census tract for cold wave, ice storm, and winter weather events.

Table 4.8.3: Structure and Population Vulnerability from Cold Wave

Census Tract	Expected Annual Loss (Agriculture)	Expected Annual Loss (Building)	Expected Annual Loss (Population Equivalence)	Expected Annual Loss (Total)
39145002200	$76	$148	$289	$512
39145002800	$81	$146	$266	$493
39145002100	$77	$157	$251	$485
39145002400	$82	$172	$212	$466
39145004000	$57	$132	$273	$462
39145002300	$73	$156	$195	$424
39145002600	$76	$126	$213	$415
39145002700	$62	$160	$184	$407
39145002500	$45	$93	$178	$316
39145003900	$44	$98	$130	$272
39145003800	$90	$145	$36	$271
39145003600	$141	$78	$0	$218
39145002902	$85	$84	$25	$193
39145003100	$88	$100	$2	$190
39145003000	$52	$115	$15	$182
39145002901	$47	$121	$7	$175
39145003400	$51	$116	$0	$167
39145003700	$81	$84	$0	$165
39145003300	$53	$74	$0	$126
39145003500	$52	$69	$0	$120
Grand Total	**$1,411**	**$2,375**	**$2,275**	**$6,061**

Source: FEMA National Risk Index

Table 4.8.4: Structure and Population Vulnerability from Ice Storm

Census Tract	Expected Annual Loss (Agriculture)	Expected Annual Loss (Building)	Expected Annual Loss (Population Equivalence)	Expected Annual Loss (Total)
39145003600	$9,308	$657	$0	$9,965
39145003800	$5,977	$1,229	$0	$7,206
39145002400	$5,420	$1,455	$0	$6,875
39145002800	$5,528	$1,263	$0	$6,791
39145003100	$5,799	$850	$0	$6,649
39145002100	$5,011	$1,297	$0	$6,308

Census Tract	Expected Annual Loss (Agriculture)	Expected Annual Loss (Building)	Expected Annual Loss (Population Equivalence)	Expected Annual Loss (Total)
39145002200	$5,018	$1,249	$0	$6,267
39145002300	$4,851	$1,322	$0	$6,173
39145003700	$5,364	$712	$0	$6,076
39145002902	$4,846	$613	$0	$5,459
39145002600	$4,423	$921	$0	$5,344
39145004000	$3,805	$1,127	$0	$4,931
39145002700	$3,535	$1,168	$0	$4,703
39145003400	$3,388	$982	$0	$4,370
39145003000	$3,271	$918	$0	$4,189
39145003300	$3,483	$625	$0	$4,107
39145003500	$3,419	$581	$0	$4,000
39145002500	$2,959	$784	$0	$3,743
39145003900	$2,906	$833	$0	$3,738
39145002901	$2,687	$881	$0	$3,568
Grand Total	**$90,998**	**$19,465**	**$0**	**$110,463**

Source: FEMA National Risk Index

Table 4.8.5: Structure and Population Vulnerability from Winter Weather

Census Tract	Expected Annual Loss (Agriculture)	Expected Annual Loss (Building)	Expected Annual Loss (Population Equivalence)	Expected Annual Loss (Total)
39145003600	$12,554	$1,937	$0	$14,491
39145003800	$8,062	$3,622	$1	$11,685
39145002400	$7,311	$4,290	$6	$11,607
39145002800	$7,233	$3,645	$8	$10,886
39145002100	$6,867	$3,923	$7	$10,798
39145002200	$6,768	$3,684	$9	$10,460
39145002300	$6,543	$3,897	$6	$10,446
39145003100	$7,821	$2,506	$0	$10,328
39145002600	$6,785	$3,138	$6	$9,929
39145002902	$7,565	$2,089	$1	$9,655
39145002700	$5,538	$3,997	$5	$9,540
39145003700	$7,234	$2,099	$0	$9,334

Census Tract	Expected Annual Loss (Agriculture)	Expected Annual Loss (Building)	Expected Annual Loss (Population Equivalence)	Expected Annual Loss (Total)
39145004000	$5,106	$3,304	$8	$8,417
39145003000	$4,631	$2,877	$0	$7,508
39145003400	$4,569	$2,896	$0	$7,466
39145002901	$4,208	$3,017	$0	$7,225
39145003300	$4,697	$1,841	$0	$6,539
39145003900	$3,919	$2,456	$4	$6,378
39145002500	$4,028	$2,323	$5	$6,356
39145003500	$4,611	$1,713	$0	$6,325
Grand Total	**$126,050**	**$59,255**	**$67**	**$185,373**

Source: FEMA National Risk Index

Future Trend

Land Use and Development Trends

Winter storms can occur anywhere bringing an entire community or region to a standstill, including commuter and emergency transportation and medical services. Any development that has occurred since the adoption of the previous plan, and any future development, has the potential to be impacted by winter storms. All land uses are equally impacted by severe winter weather.

In 2023, Scioto County authorized seven new residential units at a total value of $2,116,000. Though there are more buildings slated for construction, the population is projected to decrease in the future. By 2030 Scioto's population is expected to decrease from 71,969 in 2023 to 67,788 (5.8 percent loss), and 60,783 (10 percent loss) by 2040. Building design and construction is also impacted by the amount of snowfall. Areas that receive high snowfall should have buildings designed to withstand the weight of the snow to avoid sagging, cracking, and collapsing roofs. On the other hand, snow is a natural insulator, and snow accumulated on rooftops helps hold heat in buildings and, consequently, reduces heating costs.

It is important to maintain consistency between emergency planning, financial plans and budgets, and development planning. Zoning codes should ensure that there is adequate greenspace in existing and new developments to foster drainage and offer space to pile cleared snow. Locating emergency facilities and partnering with emergency organizations during the planning process will help develop improved contingency responses in cases where emergency transportation and services are cut off during an extreme weather event.

Climate Change

According to the Midwest chapter of the Fourth National Climate Assessment, the average Midwest air temperature increased by more than 1.5 degrees Fahrenheit between 1900 and 2010. In recent years, however, warming has increased three times as quickly between 1980 and 2010. By the end of 2030, Ohio's climate may trend towards the climate of Southern Illinois. By 2100, Ohio might feel like Arkansas or Texas. As a result, the warming climate suggests that extreme winter weather will be less severe and less frequent in Ohio, and heavy snowfall will manifest as heavy rainfall in future years.

4.9 Tornadoes

Description

FEMA defines a tornado as "a violently rotating column of air extending from a thunderstorm to the ground." Tornadoes can generate wind speeds greater than 250 miles per hour. Tornado paths can be as large as one mile wide and 50 miles long. Nationally, there is an average of 800 tornadoes reported annually across all 50 states.

In general, the midsection of the United States experiences a higher rate of tornadoes than other parts of the country because of the recurrent collision of moist, warm air moving north from the Gulf of Mexico with colder fronts moving east from the Rocky Mountains. Supercells, which form from rotating thunderstorms, are the most destructive type of tornado.

Tornado Warnings are issued by the Wilmington, Ohio, Forecast Office when a tornado is indicated by the WSR-88D radar or sighted in person by spotters. The WSR-88D radar is an advanced Weather Surveillance Doppler Radar utilized by the NWS to generate a radar image. Once a warning has been issued, people in the warning area should seek shelter immediately. Warnings will include the location of the tornado, as well as what communities will be in its path. A tornado warning can be issued without a tornado watch, and they are typically issued for 30 minutes at a time. If the thunderstorm responsible for the formation of the tornado is also producing large volumes of rain, the tornado warning may be combined with a Flash Flood Warning. The NWS Office will follow up any Tornado Warnings with Severe Weather Statements to provide up-to-date information on the tornado and inform the public when the warning is no longer in effect (Source: NWS).

Location

Tornadoes can occur anywhere in Scioto County. All areas and jurisdictions should be considered at risk for a tornado.

Extent

Tornadoes are measured by damage scale for their winds with greater damage equating to greater wind speed. The original Fujita Tornado Damage Scale (F-scale) was developed in 1971 without much consideration to a structure's integrity or condition as it relates to the wind speed required to damage it. The Enhanced Fujita-scale (EF-Scale) took effect on February 1, 2007. This scale starts with the original F-scale's F0 through F5 ratings and classifies tornado damage across 28 different types of damage indicators. These indicators mostly involve building/structure type and are assessed at eight damage levels from one through eight. Therefore, construction types and their relative strengths and weaknesses are incorporated into the EF classification given to a particular tornado. The most intense damage within the tornado path will generally determine the EF scale given the tornado. Table 4.9.1 lists the classifications under the EF- and F-scale. It should be noted that the wind speeds listed in this table are estimates based on damage rather than measurements.

There are no plans by the National Oceanic Atmospheric Administration (NOAA) or the National Weather Service to re-evaluate the historical tornado data using the enhanced scale. Therefore, this Plan and subsequent plans will reference both scales until a complete switchover is deemed necessary.

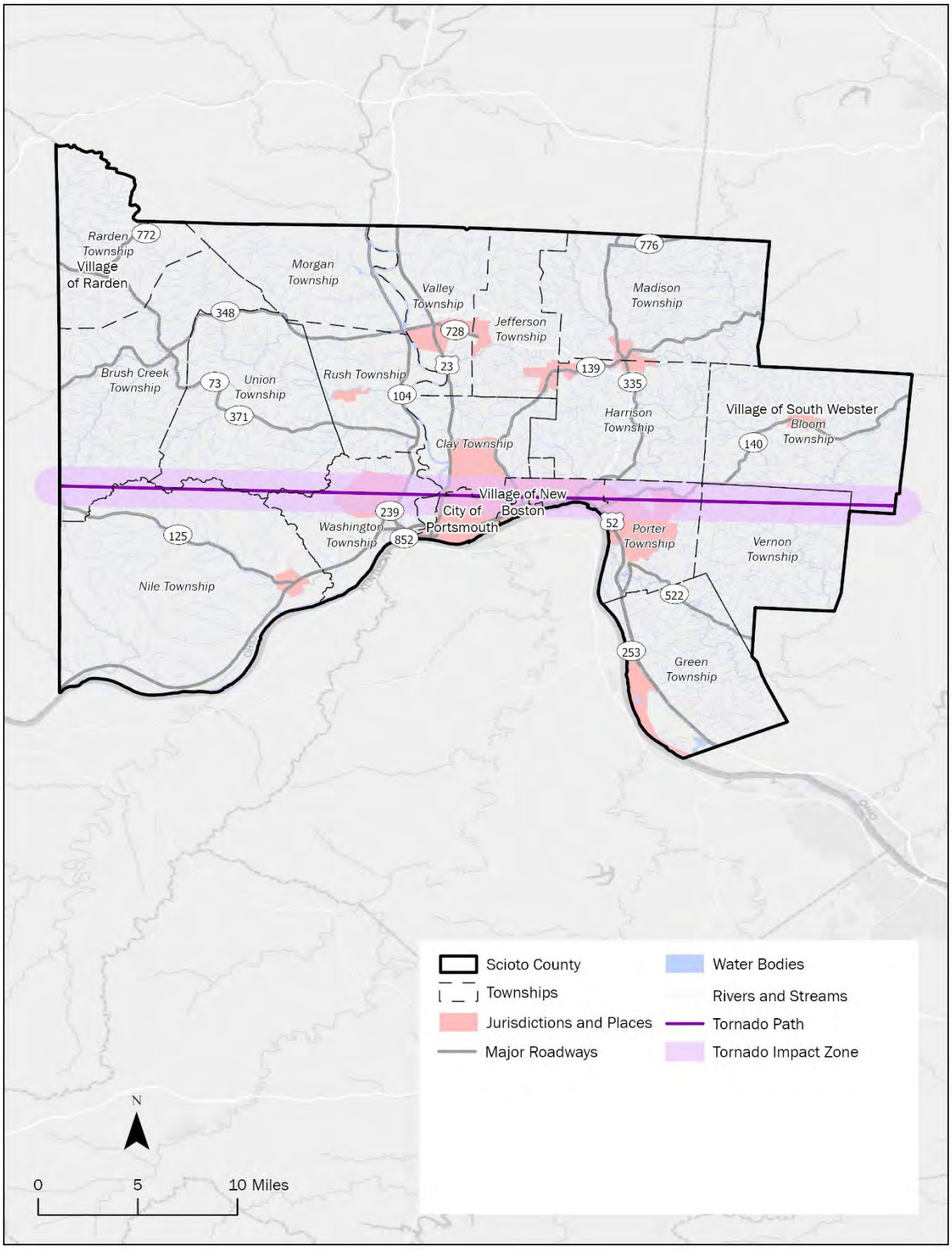
Figure 4.9.2 simulates an extremely destructive, worst-case scenario EF5 tornado and its impact on Scioto County assets and infrastructure. The worst-case scenario is simulated by running the EF5 tornado on a straight path through the most populated areas of the County. This theoretical scenario is performed to determine maximum potential damage within the County. The damages associated with this theoretical scenario are used to identify the County's potential vulnerability to tornadoes (Table 4.9.3).

Table 4.9.1: Fujita and Enhanced Fujita Scale Classifications

Fujita Scale 3-Second Wind Gust (MPH)		Damage Levels	Enhanced Fujita Scale 3-Second Wind Gust (MPH)	
F0	45-78	Light Damage: Tree branches down.	EF-0	65-85
F1	79-117	Moderate damage: Roof damage.	EF-1	86-110
F2	118-161	Considerable damage: Houses damaged.	EF-2	111-135
F3	162-209	Severe damage: Buildings damaged.	EF-3	136-165
F4	210-261	Devastating damage: Structures leveled.	EF-4	166-200
F5	262-317	Incredible damage: Whole towns destroyed.	EF-5	Over 200

Source: SOHMP

Figure 4.9.2: Worst Case Tornado Scenario



History

There have been six tornado events, with one event resulting in two tornadoes, in Scioto County between March 1995 and December 2023 causing a total of $630,000 in property damage and $10,000 in crop damage. No deaths or injuries were reported. There has been one major disaster declaration for tornadoes, which occurred in 1968. Events causing the most damage, the 1968 disaster declaration, and any events resulting in a death or injury are described in more detail below.

An EF0 Tornado in Scioto County, June 4, 2014:

An EF0 tornado touched down along Twin Creek-Rock Fork Road on June 4, 2014. The tornado caused minor damage to trees and some outbuildings. Damage reported was consistent with a tornado with 80 mile per hour (mph) winds. There was approximately $100,000 in property damage reported. No injuries or deaths were reported.

Two EF0 Tornados in Scoto County, March 2, 2012:

On March 2, 2012, an EF0 tornado touched down near Highway 772 and Left Fork Road. The tornado traveled for a quarter of a mile into Pike County. Along its path it caused damage to several trees. The same storm resulted in another tornado along Rock Fork Road. The tornado traveled along Rocky Ford Road and Highway 348 damaging two homes and heavily damaged a fire station. There was approximately $180,000 property damage and $10,000 in crop damage reported. No deaths or injuries were reported.

An F1 Tornado in Scioto County, August 8, 2000:

An F1 tornado touched near Wheelersburg on August 8, 2000, damaging a few homes, two rail cars, power lines, and several trees. Power lines fell on vehicles as well. Approximately $300,000 in property damage was reported. No injuries or deaths were reported.

A Major Disaster Declaration for Tornadoes & Severe Storms, May 4, 1968:

A Major Disaster Declaration (DR-238-OH) was issued on May 4, 1968, offering public and individual assistance to five counties in Ohio. Scioto County residents were offered both public and individual assistance.

Probability

There have been six tornado events in Scioto County between January 1995 and December 2023 resulting in a total of $630,000 in property damage and $10,000 in crop damage. Average annual damages from 1995 to 2023 are approximately $21,724 in property damages and $345 in crop damage.

Six tornado events resulting in seven tornadoes were reported between 1995 and 2023. Overall, there is a 24 percent chance that Scioto County will experience a tornado during any year.

Although it is difficult to predict future tornado activity, a study completed in 2018 on spatial trends of tornadoes saw an eastward shift in tornado frequency. Two other studies (2015 and 2016) showed an increase in tornado frequency in the eastern United States and a decrease in tornado activity in central United States. The study published in 2016 on spatial redistribution of tornado activity stated that there is a documented increase in hazardous conductive weather (HCW) in the lower Ohio Valley regions. The studies do note that the number of tornadoes produced from a single storm are increasing. For instance, in 2020 there were a total of 20 documented tornadoes in Ohio, with a single storm capable of producing up to seven tornadoes.

Vulnerability Assessment

Infrastructure Impact

Above-ground infrastructure can be damaged by tornadoes. Debris caught in tornadoes as well as fallen trees can cause damage to buildings and infrastructure. Debris can lead to closure. Above ground utility infrastructure can be damaged or destroyed, which can cause service outages.

Population Impact

Tornadoes are random in nature and have the potential to occur anywhere in the County. Everyone within the County should be prepared for a tornado. Residents in mobile home parks are particularly vulnerable and should have a plan in place.

For social vulnerability, according to the National Risk Index, tornadoes have a score of 47.6. ("relatively low") in Scioto County. Tornadoes that have occurred in Scioto County are typically weaker tornadoes, rated EF-2 or lower. The index indicates an expected annual loss of $853,000 due to tornadoes, with 0.2 events occurring per year.

Property Damage

Tornadoes can cause significant damage to buildings and properties. In the last 29 years, the property damage in Scioto County has been related to major structural damage to businesses and homes, roof damage, siding damage, and extensive tree damage. The average amount of property damage is $90,000 per tornado. One of the tornadoes that hit Scioto County resulted in $300,000 in property damage.

Additionally, there are currently 66 state-owned and state-leased critical facilities located within Scioto County, according to the Ohio Emergency Management Agency. Two of these facilities are located within a relatively moderate tornado risk area and have a value of approximately $193,331. The rest of these facilities are located within a relatively low tornado risk area and have a value of approximately $478,241,655.

Loss of Life

There have been no reports of deaths or injuries in Scioto County as a result of tornadoes. Loss of life and injuries are always possible during tornadoes. Falling debris is the main the cause of death in a tornado, along with becoming airborne.

Economic Losses

Tornadoes can cause major damage to structures and roads. Higher severity tornadoes have the potential to destroy structures. Debris also has the potential to cause damage to structures by breaking windows, damaging walls, or falling directly onto buildings and above-ground infrastructure. Potential economic losses and damage associated with Scioto County for tornadoes are recorded in Table 4.9.3 below.

Expected annual loss (EAL) rates, calculated by FEMA, identify the total value of loss expected each year for a particular community, in this case the census tracts for Scioto County. Expected losses are assessed for buildings, population equivalence ($11.6 million for each fatality or ten injuries), and agriculture per census tract. The tables below show the top 20 census tracts in Scioto County by order of the highest total EAL to the lowest for tornadoes. The EAL Total column combines the buildings, population, and agricultural losses for each census tract.

Table 4.9.3: Structure and Population Vulnerability from Tornadoes

Census Tract	Expected Annual Loss (Agriculture)	Expected Annual Loss (Building)	Expected Annual Loss (Population Equivalence)	Expected Annual Loss (Total)
39145003600	$60,401	$10,896	$0	$71,298
39145002400	$35,184	$24,142	$14	$59,339
39145003800	$38,788	$20,380	$2	$59,169
39145002300	$31,483	$21,930	$19	$53,432
39145002200	$32,566	$20,728	$14	$53,309
39145002100	$31,607	$20,490	$13	$52,111
39145003100	$37,631	$14,102	$0	$51,733
39145003700	$34,806	$11,811	$0	$46,617
39145004000	$23,601	$17,791	$16	$41,408
39145003400	$21,983	$16,296	$0	$38,279
39145003300	$22,600	$10,361	$0	$32,960
39145003000	$19,390	$13,451	$0	$32,841
39145002600	$21,834	$10,875	$12	$32,721
39145003900	$18,855	$13,816	$6	$32,676
39145003500	$22,186	$9,640	$0	$31,826
39145002500	$18,891	$12,879	$9	$31,780
39145002700	$16,493	$13,603	$8	$30,104
39145002902	$22,812	$7,226	$1	$30,038
39145002800	$18,342	$10,711	$9	$29,062
39145002901	$12,533	$10,268	$0	$22,802
Grand Total	**$541,987**	**$291,395**	**$124**	**$833,507**

Source: FEMA National Risk Index

Future Trends

Land Use and Development Trends

Tornadoes can occur anywhere. Any development that has occurred since the previous plan and any future development has the potential to be impacted by tornadoes. While the location of development will not be impacted by tornadoes, shelters should be installed in high occupancy buildings, parks, fairs and festivals, mobile home parks, and similar developments.

The vulnerability of structures and populations to tornado damage is related to the number and age of buildings and population density, such that older buildings with more people increases the vulnerability of both structures and populations to tornadoes and fewer buildings and people reduces vulnerability. In 2023, Scioto County authorized seven new residential units at a total value of $2,116,000. Though there are more buildings slated for construction, the population is projected to decrease in the future. By 2030 Scioto's population is expected to decrease from 71,969 in 2023 to

67,788 (5.8 percent loss), and 60,783 (10 percent loss) by 2040. Revitalizing older infrastructure, or adding shelters, can reduce the possible impact of tornadoes.

Climate Change

While rainfall, heat, and drought have clear links to climate change, the link between climate change and tornadoes is not yet fully understood. Tornado records in the United States are often only available starting during the 1950s. This limited data set makes it difficult to compare trends over long periods of time. Additionally, tornado reporting was not fully standardized until 2007, when the Enhanced Fujita Scale was released.

However, some short trends have been identified, although not yet linked directly to climate change. The number of days with tornadoes in the United States has fallen, but tornado outbreaks, or the number of tornadoes in one day, have increased. The density and strength of tornadoes have also increased. Finally, tornado distribution has shifted eastwards, which includes a move toward Ohio (Center for Climate and Energy Solutions).

According to the Fifth National Climate Assessment, severe storms are brief and cover small areas, thus the effects of climate change are difficult to measure. It is known that tornado activity has become more variable, with a decrease in the number of days per year with tornadoes but an increase in the number of tornadoes that occur on these days. In general, there is some indication that the frequency and intensity of thunderstorms will increase in a warmer climate. However, the effect on tornadoes is unclear.

4.10 Wildfire

Description

A wildfire is an uncontrolled fire that burns in a natural area of combustible vegetation such as a forest, grassland, or prairie, and typically occurs in rural areas. Non-wilderness fires are uncontrolled burning in residential or commercial development that are out of the scope of this plan. However, it is important to note that non-wilderness fires often accidentally cause wildfires. They can happen at any time or place, and more than half of the wildfires recorded have been started due to human activity. While wildfires can be caused by human activity or a natural phenomenon such as lightning, it is often the weather conditions that determine how much a wildfire grows.

Location

According to the State of Ohio Hazard Mitigation Plan (SOHMP), Scioto County is within Region 3, which is within the Ohio Department of Natural Resources (ODNR) Division of Forestry's Forest Fire Protection Area. Counties within this region tend to have abundant forest lands and grasslands. Region 3 is not as flat as western Ohio, having more ridges and hollows, which contributes to the more complex wildfire behavior. The ODNR requires wildfire data from fire departments by all counties within the region. The Ohio Wildfire Protection Areas are shown in **Figure 4.10.1**.

Extent

Several factors can contribute to the escalation of risk for wildfires, including the prevalence of forests and agricultural lands and their proximity to homes, residences, and structures, as well as the distance between fire and emergency management services. In these cases, the presence of fire near structures causes fire departments to shift focus away from fire suppression and toward structure protection.

According to the SOHMP, 99.9 percent of wildfires in Ohio are caused by human action or accident. As such, many wildfires in Ohio burn in proximity to homes and structures. From 2018 to 2022, the main causes of wildfires in Ohio included debris burning, incendiary (arson), equipment, smoking, campfires, children (playing with matches), lightning, and railroad.

History

The SOHMP identifies 145 total fire events from 2018 to 2022, with an average of 7.15 acres burned per incident. These events burned a total of 1,037 acres. There were 18 structures threatened during the wildfire events and four injuries were reported.

Estimating the monetary losses associated with wildfires is difficult because most of these events occur on open land or fields with monetary losses often not being recorded. This lack of data may result in inconsistencies if an analysis was done based on reported monetary loss. As such, acres burned per fire event is a more consistent method of analysis for this hazard.

Probability

According to the State of Ohio Hazard Mitigation Plan, there is a 100 percent probability that a wildfire will occur within any county in any given year. Based on the reported 98 fire events in Scioto County from 2018 to 2022, an average of approximately 29 fire events is estimated to occur annually in the County. In addition, according to the U.S. EPA, the average total area burned by wildfires has increased since the 1980s, and the record-breaking fires tend to occur during record-breaking warm years. The Climate Change section in Future Trends discusses climate change further.

Figure 4.10.1: Ohio Wildfire Protection Areas

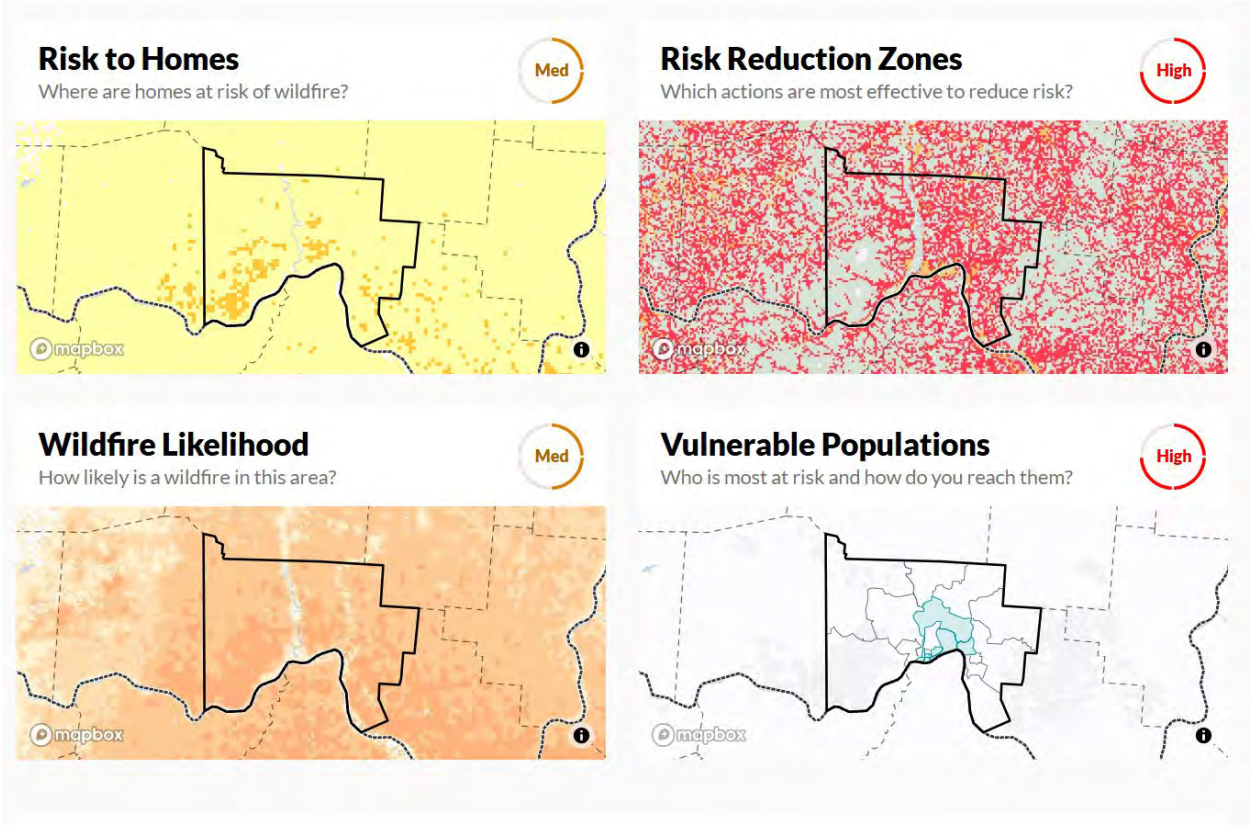
Source: ODNR Ohio Division of Forestry

Vulnerability Assessment

Infrastructure Impact

According to the USDA Forest Service Wildfire Risk to Communities, a free website with interactive maps and charts, Scioto County has a medium risk of wildfire damage to infrastructure (**Figure 4.10.2**).

Figure 4.10.2: Wildfire Risk for Scioto County



Source: USDA Forest Wildfire Risk to Communities

Population Impact

Figure 4.10.2 shows vulnerable populations within Scioto County. The highlighted-blue polygons are for areas that rank above the local median for residents in poverty and have disabilities. Overall, Scioto County residents have a medium risk of wildfire. If a wildfire occurs within the County, the population could be impacted by loss of homes and crops.

For social vulnerability, according to the National Risk Index, wildfires have a score of 53.6 ("very low") in Scioto County. The wildfires that have occurred in Scioto County have only had some impact on properties and crops. The index indicates an expected annual loss of $44,000 due to wildfires with a less than 0.2 events occurring per year.

Property Damage

There were 145 recorded wildfire events between 2018 and 2022 in Scioto County, and 18 structures reported threatened due to the wildfires. it is assumed that the County has experienced some property and crop damage because of wildfires. Occasionally, in the event of a wildfire, fire engines belonging to local fire departments can be damaged while suppressing wildfires, although there are no reports of this in Scioto County.

Expected annual loss (EAL) rates, calculated by FEMA, identify the total value of loss expected each year for a particular community, in this case Scioto County census tracts. Expected losses for buildings, population ($11.6 million for each fatality or 10 injuries), and agriculture per census tract from wildfire are recorded in **Table 4.10.3** below. The table below shows the 20 census tracts with the highest total EAL (expected annual loss) from wildfire. The EAL Total column combines the buildings, population, and agricultural losses for each census tract.

Table 4.10.3: Structure and Population Vulnerability from Wildfire

Census Tract	Expected Annual Loss (Agriculture)	Expected Annual Loss (Building)	Expected Annual Loss (Population Equivalence)	Expected Annual Loss (Total)
39145002100	$8,251	$1,587	$0	$9,839
39145002700	$6,069	$2,147	$0	$8,216
39145002800	$4,372	$1,637	$0	$6,009
39145003800	$4,063	$508	$0	$4,571
39145002400	$2,773	$906	$0	$3,679
39145002600	$2,580	$655	$0	$3,235
39145004000	$1,729	$432	$0	$2,161
39145002500	$1,304	$372	$0	$1,676
39145002300	$1,062	$356	$0	$1,418
39145002200	$939	$239	$0	$1,178
39145003000	$923	$251	$0	$1,174
39145002902	$466	$54	$0	$521
39145002901	$165	$63	$0	$228
39145003200	$146	$36	$0	$182
39145003900	$78	$40	$0	$119
39145003100	$3	$1	$0	$4
39145003500	$1	$0	$0	$1
39145003600	$0	$0	$0	$0
39145003300	$0	$0	$0	$0
39145003700	$0	$0	$0	$0
Grand Total	**$34,925**	**$9,286**	**$2**	**$44,212**

Source: FEMA National Risk Index

Loss of Life

Scioto County has no recorded wildfire events resulting in loss of life, however, there have been four injuries reported. With any wildfire event, there is potential for loss of life. Advanced evacuation warnings can reduce the likelihood of death because of wildfires.

Economic Losses

Wildfires have the potential to damage agricultural crops and tree plantations, which can result in economic losses. According to the SOHMP, there are 63 state-owned or state-leased community lifelines (critical facilities) within regions of relatively moderate wildfire hazard exposure, one state-owned or state-leased community lifeline within regions of relatively low wildfire hazard exposure, and two state-owned or state-leased community lifelines within regions of no rating. These facilities have a total replacement cost of $477,785,655, $456,000, and $193,331 respectively.

Future Trends

Land Use and Development Trends

Communities should monitor areas that are especially susceptible to wildfires and avoid development in such areas. New developments in these areas should implement fire protective measures. Slight increases in forested and pasture/hay areas can mean slightly more vulnerability to wildfire. If newer structures are built closer to the Wildland Urban Interface, it could result in increased vulnerability to the structures and inhabitants.

Figures 1.2.1 and 1.2.2 in Chapter 1 show areas susceptible to drought and heatwaves. New construction should reference the figures and resources outlined in this plan in order to minimize risk of drought and heatwaves, which can increase wildfire spread.

Climate Change

According to the U.S. EPA and National Climate Assessment, the national average total area burned by wildfires has increased since the 1980's, and record-breaking fires tend to occur during record-breaking warm years. Combustion from wildfires also releases carbon dioxide into the atmosphere, contributing to climate change and negatively impacting human health. If climate change increases the frequency and intensity of drought in the region, then the risk of wildfire can also increase.

5 | Hazard Mitigation Strategy

5.1 Hazard Mitigation Strategy

Hazard Priorities

Potential hazards, including natural, geological, and human-caused hazards, were rated by members of the Core Planning Committee, which included representatives from each jurisdiction in Scioto County. Each potential hazard was rated on a scale of zero to five, with zero indicating the hazard should not be studied and five indicating the most significant threat to the representative's jurisdiction. A priority score was developed for each hazard by averaging the representatives' ratings. The hazards were then ranked by their priority score, where the highest priority score was given a hazard rank of one for each jurisdiction within the County and for the County as a whole. The resulting hazard rank and associated priority score for each hazard are shown in Table 5.1.1 – Table 5.1.6.

Table 5.1.1: Scioto County Hazard Priorities

Hazard	Priority Score	Hazard Rank
Multiple Hazards	5.00	1
Flooding	4.70	2
Severe Winter Weather	3.90	3
Tornadoes	3.75	4
Severe Summer Weather	3.35	5
Wildfire	2.75	6
Landslides and Land Subsidence	2.70	7
Drought and Extreme Heat	2.40	8
Dam/Levee Failure	2.30	9
Earthquakes	1.35	10
Invasive Species	1.25	11

Table 5.1.2: City of Portsmouth Hazard Priorities

Hazard	Priority Score	Hazard Rank
Multiple Hazards	5.00	1
Flooding	4.70	2
Severe Winter Weather	3.90	3
Tornadoes	3.75	4
Severe Summer Weather	3.35	5
Wildfire	2.75	6
Landslides and Land Subsidence	2.70	7
Drought and Extreme Heat	2.40	8
Dam/Levee Failure	2.30	9
Earthquakes	1.35	10
Invasive Species	1.25	11

Table 5.1.3: Village of New Boston Hazard Priorities

Hazard	Priority Score	Hazard Rank
Multiple Hazards	5.00	1
Dam/Levee Failure	5.00	2
Flooding	5.00	3
Landslides and Land Subsidence	5.00	4
Severe Summer Weather	5.00	5
Severe Winter Weather	5.00	6
Tornadoes	5.00	7
Drought and Extreme Heat	4.00	8
Earthquakes	4.00	9
Invasive Species	4.00	10
Wildfire	4.00	11

Table 5.1.4: Village of Otway Hazard Priorities

Hazard	Priority Score	Hazard Rank
Multiple Hazards	5.00	1
Flooding	5.00	2
Landslides and Land Subsidence	5.00	3
Wildfire	4.00	4
Severe Summer Weather	2.00	5
Severe Winter Weather	2.00	6
Tornadoes	2.00	7
Drought and Extreme Heat	1.00	8
Earthquakes	1.00	9
Invasive Species	1.00	10
Dam/Levee Failure	Do Not Include	

Table 5.1.5: Village of Rarden Hazard Priorities

Hazard	Priority Score	Hazard Rank
Multiple Hazards	5.00	1
Flooding	5.00	2
Landslides and Land Subsidence	5.00	3
Wildfire	4.00	4
Drought and Extreme Heat	3.00	5

Hazard	Priority Score	Hazard Rank
Severe Summer Weather	3.00	6
Severe Winter Weather	3.00	7
Tornadoes	3.00	8
Dam/Levee Failure	1.00	9
Earthquakes	1.00	10
Invasive Species	1.00	11

Table 5.1.6: Village of South Webster Hazard Priorities

Hazard	Priority Score	Hazard Rank
Multiple Hazards	5.00	1
Tornadoes	5.00	2
Flooding	4.00	3
Severe Summer Weather	4.00	4
Severe Winter Weather	4.00	5
Wildfire	3.00	6
Earthquakes	2.00	7
Landslides and Land Subsidence	2.00	8
Drought and Extreme Heat	1.00	9
Invasive Species	1.00	10
Dam/Levee Failure	1.00	11

Hazards Not Assessed

Below is a discussion covering hazards that were not included in this Plan update, as compared to the hazards included in the SOHMP and in Scioto County's previous 2020 HMP.

Coastal Erosion

Coastal erosion is a hazard that is not applicable to Scioto County due to the County's inland location, so it was not assessed.

Dam/Levee Failure

The Village of Otway is not affected by dam/levee failures and has opted to not include any mitigation actions for the hazard.

Hurricanes/Tropical Storms

Hurricanes/tropical storms are hazards that are not directly applicable to Scioto County due to the County's inland location, so they were not assessed. However, if remnants of hurricanes or tropical storms were experienced as thunderstorms, thunderstorm winds, or high/severe winds, those events were included in the severe summer storms and/or tornado assessments.

Seiche/Coastal Flooding

Seiche/coastal flooding is a hazard that is not applicable to Scioto County due to the County's inland location, so it was not assessed.

5.2 Hazard Mitigation Goals

Developing achievable goals forms the foundation for all mitigation actions and activities that will aid Scioto County in attaining the overall mission of the Core Planning Committee. As such, the Core Planning Committee and participating jurisdictions assessed the goals of the 2020 Hazard Mitigation Plan and updated them for this Plan update. Goals were established and reviewed based upon their relationship to the hazard priorities and potential adverse impact of those hazards upon the community. The goals, as well as the hazards assessed for this Plan, informed the development of actions that the County and participating jurisdictions can take to mitigate the impacts of the hazards. The goals of the Scioto County Hazard Mitigation Plan are as follows:

- Goal 1: Reduce or eliminate impact of hazards on public safety, lives, property, and infrastructure.
- Goal 2: Increase survivability of emergency communications.
- Goal 3: Plan for safe development.
- Goal 4: Create self-sufficiency.
- Goal 5: Increase public awareness.

Hazard Mitigation Actions & Priorities

Members of the Core Planning Committee completed a Previous Mitigation Action Status survey, which indicated the status of mitigation actions included in the 2020 Hazard Mitigation Plan. This survey asked representatives to indicate whether the mitigation actions from the previous plan were completed, deleted, deferred, unchanged, or ongoing. It also asked the representative if the mitigation action should be included in this Plan update. The results are included in Appendix B. In addition, new mitigation actions were developed and considered for inclusion in this Plan update that address gaps in the previous plan or new issues that have arisen since the 2020 Plan.

All new and previous mitigation actions were reviewed and rated by members of the Core Planning Committee and local jurisdictions based on five criteria: cost-effectiveness, technical feasibility, environmentally soundness, immediate need, and total risk reduction. For each action, each of the five criteria were rated on a scale of one to five (low to high). All the surveys were collected and the individual criteria for each mitigation action were averaged and then added together to develop a single raw score for each individual mitigation action per jurisdiction. The raw score for each action was used in combination with the rankings of the associated hazard, as determined by the Hazard Priority Survey (Tables 5.1.1 – 5.1.6), to develop a score for each mitigation action. The action scores were then ranked to indicate the priority of each specific action. The action with the highest action score was given an action priority of one, indicating that action was the highest priority. Hazard Mitigation Action priorities are organized by hazard in Table 5.2.1 – Table 5.2.6. Each table is specific to the jurisdiction or county. The information used to develop the priorities from the jurisdictions surveys and comments can be found in Appendix G, along with all completed surveys that were used to prioritize the hazards and develop the goals.

Mitigation projects will only be implemented if the benefits outweigh the associated cost of the proposed project. The Core Planning Committee, in coordination with the Scioto County EMA, performed a general assessment of each action that would require FEMA funding as part of the planning process. A detailed cost-benefit analysis of each mitigation action will be required during the project planning phase to determine the economic feasibility of each action. Projects will also be evaluated for social and environmental impact-related feasibility, as well as technical feasibility and

any other criteria that evaluate project effectiveness. This evaluation of each project will be performed during the pre-application phase of a grant request. Project implementation will be subject to the availability of FEMA grants and other funding sources, as well as local resources.

Projects that are determined to be infeasible during this review process will be re-evaluated by members of the Core Planning Committee for re-scheduling or deletion.

Table 5.2.1: Mitigation Actions Priority Table by Hazard for Scioto County

#	Mitigation Action	Community	Hazard Priority	Action Priority	Lead Agency	Funding Source	Start/End	Status
Dam/Levee Failure								
1	Ensure all high-hazard potential dams have updated Emergency Action Plans (EAPs) in place.	Scioto County, Porter Township, Valley Township	2	21	Scioto County Engineer	Staff Time	12/2025 - 12/2030	New
2	Obtain or create inundation maps for all dams.	Scioto County, Porter Township, Valley Township	2	22	Scioto County Engineer	Staff Time	12/2025 - 12/2030	New
3	Replace Levee (Earthen Dam) at county owned pond located on the historic Elk's Golf Course in Rush Township. The pond serves as the water source for the course, which was designed and built in 1924 by famous Scottish American golf course architect Donald Ross.	Rush Township	2	20	Scioto County EMA, Scioto County Engineer, USACE	United States Army Corps of Engineers (USACE) Ohio Environmental Infrastructure Program	12/2025 - 12/2030	New
Drought & Extreme Heat								
4	Upgrade electrical infrastructure to enhance the electric grid to better handle peak electricity consumption.	Scioto County	8	42	Scioto County EMA, Jurisdictional Chief Elected Officials	Emergency Management Performance Grant (EMPG) Special Project Grants	12/2025 - 12/2030	New
Earthquake								
5	Ensure zoning codes include adequate design requirements for new construction to prevent or reduce property damage and loss of life from natural events.	Scioto County	10	43	Scioto County Engineer	Staff Time	12/2025 - 12/2030	New
Flooding								
6	Adopt higher flood standards than NFIP minimums due to historical flood events and to reduce future damages.	Scioto County, Porter Township, Valley Township	3	36	Jurisdictional Chief Elected Officials	Community Development Block Grant (CDBG)	12/2025 - 12/2030	Previous
7	Back up all flood pumping stations in Portsmouth and New Boston with generators.	Scioto County	3	27	Scioto County Engineer	United States Army Corps of Engineers (USACE) Flood Control Program	12/2025 - 12/2030	New

#	Mitigation Action	Community	Hazard Priority	Action Priority	Lead Agency	Funding Source	Start/End	Status
8	Build a levy or retention pond to protect against flooding in the Village of Rarden.	Scioto County	3	32	Scioto County Engineer	United States Army Corps of Engineers (USACE) Flood Control Program	12/2025 - 12/2030	New
9	Conduct a hydrologic and hydraulic (H&H) study of Scioto County.	Scioto County, Porter Township, Valley Township	3	35	Scioto County Engineer	United States Army Corps of Engineers (USACE) Flood Control Program	12/2025 - 12/2030	Previous
10	Cooperate with soil and water experts on nature-based ways to reduce flooding for land and homeowners.	Scioto County	3	24	Jurisdictional Chief Elected Officials	Staff Time	12/2025 - 12/2030	New
11	Create a mitigation buy out zone in the Village of New Boston to purchase homes in the flood way and create green space to reduce reoccurring flood damage caused by Munn's Run.	Scioto County	3	28	Scioto County EMA	Community Development Block Grant (CDBG)	12/2025 - 12/2030	New
12	Develop county-wide building codes to limit or prevent building in flood prone areas.	Scioto County	3	25	Scioto County Engineer	Staff Time	12/2025 - 12/2030	New
13	Develop a public education campaign to encourage residents to take part in the National Flood Insurance program.	Scioto County	3	23	Scioto County EMA	Staff Time	12/2025 - 12/2030	New
14	Ensure all eligible jurisdictions are participating in the NFIP.	Scioto County, Porter Township, Valley Township	3	38	Scioto County EMA	Staff Time	12/2025 - 12/2030	New
15	Establish a public education campaign to increase awareness of flood risks and safety.	Scioto County	3	33	Jurisdictional Floodplain Manager	Staff Time	12/2025 - 12/2030	New
16	Establish a surtax on logging companies to help fund flood mitigation actions such as clean streams of debris, replacing culverts, etc.	Scioto County	3	31	Scioto County EMA, Scioto County Commissioners	Staff Time	12/2025 - 12/2030	New
17	Identify flood prone roadways and upgrade storm water infrastructure along those roadways and/or raise the roadway to lower the risk of flooding.	Scioto County	3	30	Jurisdictional Floodplain Manager	Staff Time	12/2025 - 12/2030	New
18	Improve the sewer system in the City of Portsmouth and the Village of New Boston to separate storm water and sewage.	Scioto County	3	29	Scioto County Engineer	Capital Improvement Budgets	12/2025 - 12/2030	New

#	Mitigation Action	Community	Hazard Priority	Action Priority	Lead Agency	Funding Source	Start/End	Status
19	Produce a plan to identify the specific upgrades that are needed for the New Boston/Portsmouth floodwall and establish a budget for the plan.	Scioto County	3	26	Scioto County EMA, Jurisdictional Chief Elected Officials	Staff Time	12/2025 - 12/2030	New
20	Reduce erosion of streams.	Scioto County, Porter Township, Valley Township	3	34	Nile Township Trustees	Community Development Block Grant (CDBG)	12/2025 - 12/2030	Previous
21	Update and increase capacity of city sewers and stormwater/runoff systems to prevent backwater flooding of residences.	Scioto County	3	37	Scioto County Engineer	United States Army Corps of Engineers (USACE) Flood Control Program	12/2025 - 12/2030	New
Invasive Species								
22	Identify the specific species that affect Scioto County and the chemical or program needed to eliminate them. Consider using non-chemical programs where appropriate (e.g. wood quarantining).	Scioto County	11	44	Scioto County EMA, Jurisdictional Chief Elected Officials	Staff Time	12/2025 - 12/2030	New
Landslides and Mine Subsidence								
23	Identify roadway landslide risk areas and upgrade identified roadway base and/or construct retaining walls. Consider natural prevention, such as plantings to decrease the risk of landslides in designated areas.	Scioto County	7	40	Scioto County Engineer	Staff Time	12/2025 - 12/2030	New
24	Identify/resolve potential landslide locations.	Scioto County, Green Township, Porter Township, Valley Township	7	41	Jurisdictional Chief Elected Officials	United States Army Corps of Engineers (USACE) Planning Assistance to States	12/2025 - 12/2030	Previous
Multiple Hazards								
25	Anchor mobile homes and propane tanks.	Scioto County, Valley Township	1	9	Jurisdictional Chief Elected Officials	Emergency Management Performance Grant (EMPG) Special Project Grants	12/2025 - 12/2030	Previous

#	Mitigation Action	Community	Hazard Priority	Action Priority	Lead Agency	Funding Source	Start/End	Status
26	Construct Safe Rooms – Community.	Scioto County, Green Township, Valley Township	1	10	Jurisdictional Chief Elected Officials	Ohio Safe Room Rebate Program	12/2025 - 12/2030	Previous
27	Construct Safe Rooms – Residential.	Scioto County, Valley Township	1	19	Jurisdictional Chief Elected Officials	Ohio Safe Room Rebate Program	12/2025 - 12/2030	Previous
28	Create rental housing inspection and permit program.	Scioto County, Valley Township	1	15	Jurisdictional Chief Elected Officials	General Operating Budget	12/2025 - 12/2030	Previous
29	Develop and implement an all-hazards public education program.	Scioto County, Porter Township, Valley Township	1	17	Scioto County EMA	General Operating Budget	12/2025 - 12/2030	Previous
30	Encourage jurisdictions to establish zones/building codes to control land use in at-risk areas.	Scioto County, Valley Township	1	13	Jurisdictional Chief Elected Officials	General Operating Budget	12/2025 - 12/2030	Previous
31	Encourage residents to sign up for Code Red through mailings, social media posts, and other public announcements in order to be alerted to legitimate severe weather	Scioto County	1	2	Scioto County EMA, Jurisdictional Chief Elected Officials	Staff Time	12/2025 - 12/2030	New
32	Enhance public warning systems.	Scioto County, Valley Township	1	5	Scioto County EMA	General Operating Budget	12/2025 - 12/2030	Previous
33	Establish community shelters.	Scioto County, Green Township, Valley Township	1	16	Jurisdictional Chief Elected Officials	Ohio Safe Room Rebate Program	12/2025 - 12/2030	Previous
34	Increase rural broadband coverage.	Scioto County, Green Township, Porter Township, Valley Township	1	6	Jurisdictional Chief Elected Officials	Capital Improvement Budgets	12/2025 - 12/2030	Previous
35	Install generators at critical facilities.	Scioto County, Valley Township	1	3	Facility Agency Heads	Emergency Management Performance Grant (EMPG) Special Project Grants	12/2025 - 12/2030	Previous

#	Mitigation Action	Community	Hazard Priority	Action Priority	Lead Agency	Funding Source	Start/End	Status
36	Mitigate structures in flood-prone areas.	Scioto County, Porter Township, Valley Township	1	11	Jurisdictional Floodplain Manager	United States Army Corps of Engineers (USACE) Flood Control Program	12/2025 - 12/2030	Previous
37	Promote more collaboration between jurisdictions and agencies to work together on mitigation projects instead of operating in a silo. (Especially involve Emergency Management in your planning and projects).	Scioto County	1	1	Scioto County EMA, Jurisdictional Chief Elected Officials	Staff Time	12/2025 - 12/2030	New
38	Purchase stock of PPE for first responders.	Scioto County, Porter Township, Valley Township	1	12	Scioto County Health Department	Community Development Block Grant (CDBG)	12/2025 - 12/2030	Previous
39	Rehabilitate dams known to be of high hazard.	Scioto County, Valley Township	1	18	Dam Owners	United States Army Corps of Engineers (USACE) Planning Assistance to States	12/2025 - 12/2030	Previous
40	Remove debris in streams.	Scioto County, Green Township, Porter Township, Valley Township	1	4	Jurisdictional Chief Elected Officials	Staff Time	12/2025 - 12/2030	Previous
41	Update dam Emergency Action Plans; update inundation data for dams without EAPs or no current inundation data.	Scioto County, Porter Township, Valley Township	1	14	Jurisdictional Flood Plain Managers	United States Army Corps of Engineers (USACE) Planning Assistance to States	12/2025 - 12/2030	Previous
42	Upgrade undersized/establish storm water drainage systems.	Scioto County, Porter Township, Valley Township	1	7	Jurisdictional Chief Elected Officials	Community Development Block Grant (CDBG)	12/2025 - 12/2030	Previous
43	Work with all jurisdictions on filling in gaps and strengthening capabilities in enacting mitigation strategies.	Scioto County, Porter Township, Valley Township	1	8	Scioto County EMA	Staff Time	12/2025 - 12/2030	New
Severe Summer Weather (Included in Multiple Hazards)								

#	Mitigation Action	Community	Hazard Priority	Action Priority	Lead Agency	Funding Source	Start/End	Status
Severe Winter Weather (Included in Multiple Hazards)								
Tornadoes								
44	Install tornado warning sirens throughout the county.	Scioto County	6	39	Scioto County EMA, Scioto County Engineer	Emergency Management Performance Grant (EMPG) Special Project Grants	12/2025 - 12/2030	New
Wildfire (Included in Multiple Hazards)								

Table 5.2.2: Mitigation Actions Priority Table by Hazard for City of Portsmouth

#	Mitigation Action	Community	Hazard Priority	Action Priority	Lead Agency	Funding Source	Start/End	Status
Dam/Levee Failure								
1	Ensure all high-hazard potential dams have updated Emergency Action Plans (EAPs) in place.	City of Portsmouth	2	10	City of Portsmouth Engineer	General Operating Budget	12/2025 - 12/2030	New
2	Obtain or create inundation maps for all dams.	City of Portsmouth	2	11	City of Portsmouth Engineer	General Operating Budget	12/2025 - 12/2030	New
Drought & Extreme Heat (Included in Multiple Hazards)								
Earthquake (Included in Multiple Hazards)								
Flooding								
3	Adopt higher flood standards than NFIP minimums due to historical flood events and to reduce future damages.	City of Portsmouth	4	15	Jurisdictional Leader of City of Portsmouth	Community Development Block Grant (CDBG)	12/2025 - 12/2030	Previous
4	Ensure all eligible jurisdictions are participating in the NFIP.	City of Portsmouth	4	12	Jurisdictional Leader of City of Portsmouth	General Operating Budget	12/2025 - 12/2030	New
5	Repair/Upgrade wastewater and water treatment plants.	City of Portsmouth	4	14	City of Portsmouth Engineer	Capital Improvement Budgets	12/2025 - 12/2030	Previous
6	Replace antiquated floodwall pump station control systems.	City of Portsmouth	4	13	City of Portsmouth Engineer	Community Development Block Grant (CDBG)	12/2025 - 12/2030	Previous
Invasive Species (Included in Multiple Hazards)								
Landslides and Mine Subsidence								
7	Anchor mobile homes and propane tanks.	City of Portsmouth	5	16	Jurisdictional Leader of City of Portsmouth	Community Development Block Grant (CDBG)	12/2025 - 12/2030	Previous
Multiple Hazards								
8	Construct Safe Rooms – Community.	City of Portsmouth	1	9	Jurisdictional Leader of City of Portsmouth	Ohio Safe Room Rebate Program	12/2025 - 12/2030	Previous
9	Create rental housing inspection and permit program.	City of Portsmouth	1	1	Jurisdictional Leader of City of Portsmouth	General Operating Budget	12/2025 - 12/2030	Previous
10	Eliminate combined sewer system backflow.	City of Portsmouth	1	7	City of Portsmouth Engineer	United States Army Corps of Engineers (USACE) Flood Control Program	12/2025 - 12/2030	Previous
11	Encourage jurisdictions to establish zones/building codes to control land use in at-risk areas.	City of Portsmouth	1	2	Jurisdictional Leader of City of Portsmouth	General Operating Budget	12/2025 - 12/2030	Previous

#	Mitigation Action	Community	Hazard Priority	Action Priority	Lead Agency	Funding Source	Start/End	Status
12	Establish community shelters.	City of Portsmouth	1	6	Jurisdictional Leader of City of Portsmouth	Ohio Safe Room Rebate Program	12/2025 - 12/2030	Previous
13	Mitigate structures in flood-prone areas.	City of Portsmouth	1	4	Jurisdictional Floodplain Manager	United States Army Corps of Engineers (USACE) Flood Control Program	12/2025 - 12/2030	Previous
14	Reduce systematic problems caused by utility line ruptures.	City of Portsmouth	1	8	Jurisdictional Leader of City of Portsmouth	Community Development Block Grant (CDBG)	12/2025 - 12/2030	Previous
15	Remove debris in streams.	City of Portsmouth	1	5	Jurisdictional Leader of City of Portsmouth	General Operating Budget	12/2025 - 12/2030	Previous
16	Work with all jurisdictions on filling in gaps and strengthening capabilities in enacting mitigation strategies.	City of Portsmouth	1	3	Jurisdictional Leader of City of Portsmouth	General Operating Budget	12/2025 - 12/2030	New
Severe Summer Weather (Included in Multiple Hazards)								
Severe Winter Weather (Included in Multiple Hazards)								
Tornadoes (Included in Multiple Hazards)								
Wildfire (Included in Multiple Hazards)								

Table 5.2.3: Mitigation Actions Priority Table by Hazard for Village of New Boston

#	Mitigation Action	Community	Hazard Priority	Action Priority	Lead Agency	Funding Source	Start/End	Status
Dam/Levee Failure								
1	Ensure all high-hazard potential dams have updated Emergency Action Plans (EAPs) in place.	Village of New Boston	2	10	Village of New Boston Engineer	General Operating Budget	12/2025 - 12/2030	New
2	Obtain or create inundation maps for all dams.	Village of New Boston	2	11	Village of New Boston Engineer	General Operating Budget	12/2025 - 12/2030	New
Drought & Extreme Heat (Included in Multiple Hazards)								
Earthquake (Included in Multiple Hazards)								
Flooding								
3	Adopt higher flood standards than NFIP minimums due to historical flood events and to reduce future damages.	Village of New Boston	3	18	Jurisdictional Leader of Village of New Boston	Community Development Block Grant (CDBG)	12/2025 - 12/2030	Previous
4	Coordinate with the Township to ensure their participation in the waterway clearing program.	Village of New Boston	3	15	Village of New Boston Engineer	General Operating Budget	12/2025 - 12/2030	New
5	Coordinate with upstream communities on the waterway clearing program, including alerting them to any debris issues coming from those communities.	Village of New Boston	3	16	Village of New Boston Engineer	General Operating Budget	12/2025 - 12/2030	New
6	Create a waterway clearing program to inspect and clear debris from all waterways within the Village.	Village of New Boston	3	14	Village of New Boston Engineer	General Operating Budget	12/2025 - 12/2030	New
7	Ensure all eligible jurisdictions are participating in the NFIP.	Village of New Boston	3	13	Jurisdictional Leader of Village of New Boston	General Operating Budget	12/2025 - 12/2030	New
8	Request that the County support the Villages waterway clearing program and/or that the County create and lead a countywide program.	Village of New Boston	3	17	Village of New Boston Engineer	General Operating Budget	12/2025 - 12/2030	New
9	Work with all jurisdictions on filling in gaps and strengthening capabilities in enacting mitigation strategies.	Village of New Boston	3	12	Jurisdictional Leader of Village of New Boston	General Operating Budget	12/2025 - 12/2030	New
Invasive Species (Included in Multiple Hazards)								
Landslides and Mine Subsidence (Included in Multiple Hazards)								
Multiple Hazards								
10	Anchor mobile homes and propane tanks.	Village of New Boston	1	8	Jurisdictional Leader of Village of New Boston	Community Development Block Grant (CDBG)	12/2025 - 12/2030	Previous

#	Mitigation Action	Community	Hazard Priority	Action Priority	Lead Agency	Funding Source	Start/End	Status
11	Construct Safe Rooms - Community.	Village of New Boston	1	3	Jurisdictional Leader of Village of New Boston	Ohio Safe Room Rebate Program	12/2025 - 12/2030	Previous
12	Create rental housing inspection and permit program.	Village of New Boston	1	1	Jurisdictional Leader of Village of New Boston	General Operating Budget	12/2025 - 12/2030	Previous
13	Eliminate combined sewer system backflow.	Village of New Boston	1	2	Jurisdictional Leader of Village of New Boston	United States Army Corps of Engineers (USACE) Flood Control Program	12/2025 - 12/2030	Previous
14	Encourage jurisdictions to establish zones/building codes to control land use in at-risk areas.	Village of New Boston	1	4	Jurisdictional Leader of Village of New Boston	General Operating Budget	12/2025 - 12/2030	Previous
15	Establish community shelters.	Village of New Boston	1	5	Jurisdictional Leader of Village of New Boston	Ohio Safe Room Rebate Program	12/2025 - 12/2030	Previous
16	Mitigate structures in flood-prone areas.	Village of New Boston	1	6	Jurisdictional Floodplain Manager	United States Army Corps of Engineers (USACE) Flood Control Program	12/2025 - 12/2030	Previous
17	Reduce systematic problems caused by utility line ruptures.	Village of New Boston	1	7	Jurisdictional Leader of Village of New Boston	Community Development Block Grant (CDBG)	12/2025 - 12/2030	Previous
18	Remove debris in streams.	Village of New Boston	1	9	Jurisdictional Leader of Village of New Boston	General Operating Budget	12/2025 - 12/2030	Previous
Severe Summer Weather (Included in Multiple Hazards)								
Severe Winter Weather (Included in Multiple Hazards)								
Tornadoes (Included in Multiple Hazards)								
Wildfire (Included in Multiple Hazards)								

Table 5.2.4: Mitigation Actions Priority Table by Hazard for Village of Otway

#	Mitigation Action	Community	Hazard Priority	Action Priority	Lead Agency	Funding Source	Start/End	Status
Dam/Levee Failure (Not Included)								
Drought & Extreme Heat (Included in Multiple Hazards)								
Earthquake (Included in Multiple Hazards)								
Flooding (Included in Multiple Hazards)								
1	Adopt higher flood standards than NFIP minimums due to historical flood events and to reduce future damages.	Village of Otway	2	10	Jurisdictional Leader of Village of Otway	Community Development Block Grant (CDBG)	12/2025 - 12/2030	Previous
2	Ensure all eligible jurisdictions are participating in the NFIP.	Village of Otway	2	11	Jurisdictional Leader of Village of Otway	General Operating Budget	12/2025 - 12/2030	New
Invasive Species (Included in Multiple Hazards)								
Landslides and Mine Subsidence (Included in Multiple Hazards)								
Multiple Hazards								
3	Anchor mobile homes and propane tanks.	Village of Otway	1	1	Jurisdictional Leader of Village of Otway	Community Development Block Grant (CDBG)	12/2025 - 12/2030	Previous
4	Construct Safe Rooms - Community.	Village of Otway	1	2	Jurisdictional Leader of Village of Otway	Ohio Safe Room Rebate Program	12/2025 - 12/2030	Previous
5	Create rental housing inspection and permit program.	Village of Otway	1	3	Jurisdictional Leader of Village of Otway	General Operating Budget	12/2025 - 12/2030	Previous
6	Encourage jurisdictions to establish zones/building codes to control land use in at-risk areas.	Village of Otway	1	4	Jurisdictional Leader of Village of Otway	General Operating Budget	12/2025 - 12/2030	Previous
7	Establish community shelters.	Village of Otway	1	5	Jurisdictional Leader of Village of Otway	Ohio Safe Room Rebate Program	12/2025 - 12/2030	Previous
8	Mitigate structures in flood-prone areas.	Village of Otway	1	6	Jurisdictional Floodplain Manager	United States Army Corps of Engineers (USACE) Flood Control Program	12/2025 - 12/2030	Previous
9	Reduce systematic problems caused by utility line ruptures.	Village of Otway	1	7	Jurisdictional Leader of Village of Otway	Community Development Block Grant (CDBG)	12/2025 - 12/2030	Previous
10	Remove debris in streams.	Village of Otway	1	8	Jurisdictional Leader of Village of Otway	General Operating Budget	12/2025 - 12/2030	Previous

#	Mitigation Action	Community	Hazard Priority	Action Priority	Lead Agency	Funding Source	Start/End	Status
11	Work with all jurisdictions on filling in gaps and strengthening capabilities in enacting mitigation strategies.	Village of Otway	1	9	Jurisdictional Leader of Village of Otway	General Operating Budget	12/2025 - 12/2030	New
Severe Summer Weather (Included in Multiple Hazards)								
Severe Winter Weather (Included in Multiple Hazards)								
Tornadoes (Included in Multiple Hazards)								
Wildfire (Included in Multiple Hazards)								

Table 5.2.5: Mitigation Actions Priority Table by Hazard for Village of Rarden

#	Mitigation Action	Community	Hazard Priority	Action Priority	Lead Agency	Funding Source	Start/End	Status
Dam/Levee Failure (Included in Multiple Hazards)								
Drought & Extreme Heat (Included in Multiple Hazards)								
Earthquake (Included in Multiple Hazards)								
Flooding								
1	Adopt higher flood standards than NFIP minimums due to historical flood events and to reduce future damages.	Village of Rarden	5	12	Jurisdictional Leader of Village of Rarden	Community Development Block Grant (CDBG)	12/2025 - 12/2030	Previous
2	Anchor mobile homes and propane tanks.	Village of Rarden	5	13	Jurisdictional Leader of Village of Rarden	Community Development Block Grant (CDBG)	12/2025 - 12/2030	Previous
3	Construct Safe Rooms – Community.	Village of Rarden	5	14	Jurisdictional Leader of Village of Rarden	Ohio Safe Room Rebate Program	12/2025 - 12/2030	Previous
Invasive Species (Included in Multiple Hazards)								
Landslides and Mine Subsidence								
4	Create rental housing inspection and permit program.	Village of Rarden	7	15	Jurisdictional Leader of Village of Rarden	General Operating Budget	12/2025 - 12/2030	Previous
Multiple Hazards								
5	Encourage jurisdictions to establish zones/building codes to control land use in at-risk areas.	Village of Rarden	1	11	Jurisdictional Leader of Village of Rarden	General Operating Budget	12/2025 - 12/2030	Previous
6	Ensure all eligible jurisdictions are participating in the NFIP.	Village of Rarden	1	2	Jurisdictional Leader of Village of Rarden	General Operating Budget	12/2025 - 12/2030	New
7	Ensure all high-hazard potential dams have updated Emergency Action Plans (EAPs) in place.	Village of Rarden	1	3	Village of Rarden Engineer	General Operating Budget	12/2025 - 12/2030	New
8	Establish community shelters.	Village of Rarden	1	5	Jurisdictional Leader of Village of Rarden	Ohio Safe Room Rebate Program	12/2025 - 12/2030	Previous
9	Mitigate structures in flood-prone areas.	Village of Rarden	1	6	Jurisdictional Floodplain Manager	United States Army Corps of Engineers (USACE) Flood Control Program	12/2025 - 12/2030	Previous
10	Obtain or create inundation maps for all dams.	Village of Rarden	1	4	Village of Rarden Engineer	General Operating Budget	12/2025 - 12/2030	New

#	Mitigation Action	Community	Hazard Priority	Action Priority	Lead Agency	Funding Source	Start/End	Status
11	Reduce systematic problems caused by utility line ruptures.	Village of Rarden	1	7	Jurisdictional Leader of Village of Rarden	Community Development Block Grant (CDBG)	12/2025 - 12/2030	Previous
12	Remove debris in streams.	Village of Rarden	1	8	Jurisdictional Leader of Village of Rarden	General Operating Budget	12/2025 - 12/2030	Previous
13	Seek State of Federal funding to update existing plans (e.g. reach out to ODOT to update any existing transportation plans).	Village of Rarden	1	1	Jurisdictional Leader of Village of Rarden	Community Development Block Grant (CDBG)	12/2025 - 12/2030	New
14	The Village of Rarden proposes relocating the fire station from its current position in the floodplain to a site at a higher elevation. Consider converting the existing community center into a new fire station.	Village of Rarden	1	10	Village of Rarden Engineer	Community Development Block Grant (CDBG)	12/2025 - 12/2030	New
15	Work with all jurisdictions on filling in gaps and strengthening capabilities in enacting mitigation strategies.	Village of Rarden	1	9	Jurisdictional Leader of Village of Rarden	General Operating Budget	12/2025 - 12/2030	New
Severe Summer Weather (Included in Multiple Hazards)								
Severe Winter Weather (Included in Multiple Hazards)								
Tornadoes (Included in Multiple Hazards)								
Wildfire (Included in Multiple Hazards)								

Table 5.2.6: Mitigation Actions Priority Table by Hazard for Village of South Webster

#	Mitigation Action	Community	Hazard Priority	Action Priority	Lead Agency	Funding Source	Start/End	Status
Dam/Levee Failure								
1	Ensure all high-hazard potential dams have updated Emergency Action Plans (EAPs) in place.	Village of South Webster	11	10	Village of South Webster Engineer	Staff Time	12/2025 - 12/2030	New
2	Obtain or create inundation maps for all dams.	Village of South Webster	11	11	Village of South Webster Engineer	Staff Time	12/2025 - 12/2030	New
Drought & Extreme Heat (Included in Multiple Hazards)								
Earthquake (Included in Multiple Hazards)								
Flooding								
3	Adopt higher flood standards than NFIP minimums due to historical flood events and to reduce future damages.	Village of South Webster	3	8	Jurisdictional Leader of Village of South Webster	Community Development Block Grant (CDBG)	12/2025 - 12/2030	Previous
4	Ensure all eligible jurisdictions are participating in the NFIP.	Village of South Webster	3	9	Jurisdictional Leader of Village of South Webster	Staff Time	12/2025 - 12/2030	New
Invasive Species (Included in Multiple Hazards)								
Landslides and Mine Subsidence (Included in Multiple Hazards)								
Multiple Hazards								
5	Anchor mobile homes and propane tanks.	Village of South Webster	1	2	Jurisdictional Leader of Village of South Webster	Emergency Management Performance Grant (EMPG) Special Project Grants	12/2025 - 12/2030	Previous
6	Construct Safe Rooms - Community.	Village of South Webster	1	6	Jurisdictional Leader of Village of South Webster	Ohio Safe Room Rebate Program	12/2025 - 12/2030	Previous
7	Establish community shelters.	Village of South Webster	1	5	Jurisdictional Leader of Village of South Webster	Ohio Safe Room Rebate Program	12/2025 - 12/2030	Previous
8	Mitigate structures in flood-prone areas.	Village of South Webster	1	1	Jurisdictional Floodplain Manager	United States Army Corps of Engineers (USACE) Flood Control Program	12/2025 - 12/2030	Previous
9	Reduce systematic problems caused by utility line ruptures.	Village of South Webster	1	7	Jurisdictional Leader of Village of South Webster	General Operating Budget	12/2025 - 12/2030	Previous

#	Mitigation Action	Community	Hazard Priority	Action Priority	Lead Agency	Funding Source	Start/End	Status
10	Remove debris in streams.	Village of South Webster	1	3	Jurisdictional Leader of Village of South Webster	Staff Time	12/2025 - 12/2030	Previous
11	Work with all jurisdictions on filling in gaps and strengthening capabilities in enacting mitigation strategies.	Village of South Webster	1	4	Jurisdictional Leader of Village of South Webster	Staff Time	12/2025 - 12/2030	New
Severe Summer Weather (Included in Multiple Hazards)								
Severe Winter Weather (Included in Multiple Hazards)								
Tornadoes (Included in Multiple Hazards)								
Wildfire (Included in Multiple Hazards)								

6| Schedule & Maintenance

6.1 Participation Overview

The Scioto County Hazard Mitigation Plan will be adopted by all participating jurisdictions in Scioto County. After the jurisdictions have adopted the plan, their signed resolutions or ordinances will be added to the plan in Appendix G.

6.2 Continued Public Involvement

Because local government plays a key role in the execution and implementation of mitigation strategies, each community will be responsible for understanding which items they are accountable for implementing. Annually, jurisdictions and responsible agencies should provide a status update for each mitigation action that is under their purview. This meeting will be where the jurisdictions and responsible parties assess the implementation and effectiveness of the hazard mitigation plan. This meeting should coincide with the budget process so that future funding sources can be determined and set aside for actions slated for that particular year. This meeting will also be available to the public. Additionally, each jurisdiction and the County will review the Hazard Mitigation Plan during other planning processes, such as development of comprehensive plans or capital improvement plans and incorporate appropriate goals and mitigation actions into such documents.

The public will continue to provide feedback on the Plan, as the Plan will be available through the Scioto County Emergency Management Agency and Ohio Emergency Management Agency websites. Scioto County will provide access to the Plan to all county, municipal, and township offices, and will make the Plan available in hardcopy and electronic format to the public as appropriate. The Scioto County EMA Director will post notices of any meetings for updating and evaluating the Plan, using the usual methods for posting meeting announcements in the County to invite the public to participate. All meetings will be open to the public. Scioto County will publicly announce the mitigation action items that are slated for development in the current year, as well as any updates to the Plan as part of the annual review process.

6.3 Previous Integration Efforts

Local governments and public entities, such as hospitals, play a major role in enforcing and implementing mitigation strategies because their daily operations guide the development of the communities in Scioto County. UK King's Daughters encompasses hazard mitigation efforts to help maintain continued operations. There are no other integration efforts by jurisdictions within Scioto County. The previous HMP was not integrated into other plans by Scioto County.

6.4 Future Integration Efforts

Scioto County and its participating jurisdictions will make a concerted effort to integrate the Hazard Mitigation Plan and its mitigation actions into existing plans and regulations, such as comprehensive plans, capital improvement plans, zoning codes and subdivision regulations, parks and open space plans, active shooter plans, and emergency operations plans. Every village in Scioto County has a planning commission or a zoning board that deals with development and growth issues in their jurisdiction, referencing regulations, development plans, and mitigation strategies as they make decisions. These jurisdictions are small and have limited full-time staff, so the County as an organization provides strong leadership and oversight of economic development, community development, and land use planning. Many local officials wear numerous hats as they guide, direct, and facilitate local growth and development through regulation. Mitigation efforts are considered simultaneously with building code enforcement, zoning regulations, and land use rules at the County level. There is significant overlap between County officials when it comes to growth and development, including plan approval, issuance of permits, and occupancy approval responsibilities.

For the Scioto County Emergency Operations Plan, the EOP should facilitate integration of mitigation into response and recovery activities where appropriate, so key staff responsible for administering and updating the EOP should coordinate with the Core Planning Committee to identify integration areas and perform them. For the jurisdictions with floodplain regulations (Scioto County and all jurisdictions), this Plan includes an action to "develop a floodplain management plan and update it regularly" so as floodplain regulations are reviewed and updated, the local floodplain coordinator(s) should continue to participate in the National Flood Insurance Program and should keep their maps updated. The Core Planning Committee should also engage the local floodplain coordinators and include them in their annual meetings for coordination, support, and to ensure this action is being implemented. For the zoning and land use regulations, this plan can be integrated in several ways. When zoning and/or land use regulations are reviewed and updated, related to flooding and dam failure, potential impact areas should be designated for limited to no development; and for landslides and land subsidence, land bordering waterways should either be left free of development or be reinforced to resist erosion. The Core Planning Committee should also engage the staff involved in administering and updating zoning codes and land use regulations and include them in their annual meetings for coordination, support, and assistance in integrating these recommendations from the plan.

Scioto County also has a Floodplain Manager who works with the Scioto County Engineer to help plan, approve, modify, and regulate new facilities, subdivisions, and neighborhoods not only in the context of building codes, but also with consideration for flood risk. They also collaborate to be sure that new structures are not placed within flood risk zones without taking compensatory measures, like elevation, as early as the site development stage of construction. The Scioto County Engineer works with the Scioto County Auditor to manage the floodplain mapping and parcel identification and documentation by developing and maintaining GIS mapping. The Scioto County Engineer also ensures that mitigation actions, like elevation, are properly included in the submitted building and occupancy permits during the approval process. The Scioto County Engineer is also responsible for county ditch maintenance, which ties the County Engineer's office to the Scioto County Soil & Water Conservation District, as well as the Farm Service Agency director, as agricultural drainage concerns are shared and resolved. These officials work with the Floodplain Manager to check and evaluate the floodplain maps as introduced by FEMA to ensure accuracy through the map adoption process.

In addition, Scioto County EMA, and the Core Planning Committee, consisting of leadership from participating jurisdictions, will work with the top-elected officials and authorities within their jurisdictions to integrate the hazard mitigation plan into the relevant existing and future planning mechanisms and capabilities as listed in Table 3.3.1 of the plan.

6.5 Updating the Plan

The Hazard Mitigation Plan must be updated within five years and re-adopted by the County and all participating jurisdictions to maintain compliance with federal regulations and ensure eligibility for certain federal mitigation grant funds. Scioto County has met HHPD requirements for their 2025 Hazard Mitigation Plan. Scioto County will identify any necessary modifications to the Plan, including changes to mitigation goals and actions that should be incorporated into the next update. The Scioto County EMA Director and the County Commissioners will initiate the process of updating the Plan in accordance with federal guidelines in sufficient time to meet state and federal deadlines.

Appendix

Appendix A: Historical Hazard Events

Declaration	Declaration Date	Type	Title	Begin	End
DR-1556-OH	9/19/2004	Severe Storm	Severe Storms and Flooding	8/27/2004	9/27/2004

Event Type	Date	Magnitude	Deaths	Injuries	Property Damage	Crops Damage
Cold/Wind Chill	2/1/1996		0	0	$ 20,000.00	$ -
Drought	8/1/1999		0	0	$ -	$ -
Drought	7/1/1999		0	0	$ -	$ -
Excessive Heat	7/20/2019		0	0	$ -	$ -
Excessive Heat	7/19/2019		0	0	$ -	$ -
Excessive Heat	8/7/2007		0	0	$ -	$ -
Extreme Cold/Wind Chill	12/22/2022		0	0	$ -	$ -
Flash Flood	9/7/2018		0	0	$ 1,000.00	$ -
Flash Flood	6/13/2018		0	0	$ -	$ -
Flash Flood	6/13/2018		0	0	$ -	$ -
Flash Flood	6/13/2018		0	0	$ -	$ -
Flash Flood	4/26/2016		0	0	$ -	$ -
Flash Flood	4/26/2016		0	0	$ 10,000.00	$ -
Flash Flood	4/4/2014		0	0	$ 1,000.00	$ -
Flash Flood	7/10/2013		0	0	$ 1,000.00	$ -
Flash Flood	7/10/2013		0	0	$ 1,000.00	$ -
Flash Flood	5/10/2011		0	0	$ 100,000.00	$ -
Flash Flood	5/10/2011		0	0	$ 30,000.00	$ -
Flash Flood	5/10/2011		0	0	$ 70,000.00	$ -
Flash Flood	5/10/2011		0	0	$ 2,000.00	$ -
Flash Flood	4/27/2011		0	0	$ 2,000.00	$ -
Flash Flood	4/23/2011		0	0	$ 15,000.00	$ -
Flash Flood	7/21/2010		1	0	$ 300,000.00	$ -
Flash Flood	7/17/2010		0	0	$ 15,000.00	$ -
Flash Flood	5/21/2010		0	0	$ 2,000.00	$ -
Flash Flood	5/2/2010		0	0	$ 10,000.00	$ -
Flash Flood	5/2/2010		0	0	$ 20,000.00	$ -

Event Type	Date	Magnitude	Deaths	Injuries	Property Damage	Crops Damage
Flash Flood	7/11/2009		0	0	$ 15,000.00	$ -
Flash Flood	7/11/2009		0	0	$ 2,000.00	$ -
Flash Flood	6/4/2008		0	0	$ 10,000.00	$ -
Flash Flood	6/4/2008		0	0	$ 15,000.00	$ -
Flash Flood	7/10/2007		0	0	$ 6,000.00	$ -
Flash Flood	10/4/2006		0	0	$ 5,000.00	$ -
Flash Flood	7/21/2006		0	0	$ -	$ -
Flash Flood	3/12/2006		0	0	$ -	$ -
Flash Flood	9/17/2004		0	0	$ 5,000.00	$ -
Flash Flood	5/27/2004		0	0	$ -	$ -
Flash Flood	5/27/2004		0	0	$ -	$ -
Flash Flood	5/11/2004		0	0	$ 8,000.00	$ -
Flash Flood	7/10/2003		0	0	$ -	$ -
Flash Flood	5/10/2003		0	0	$ -	$ -
Flash Flood	5/10/2003		0	0	$ -	$ -
Flash Flood	5/10/2003		0	0	$ 50,000.00	$ -
Flash Flood	2/22/2003		0	0	$ -	$ -
Flash Flood	5/28/2002		0	0	$ -	$ -
Flash Flood	4/28/2002		0	0	$ -	$ -
Flash Flood	4/21/2002		0	0	$ -	$ -
Flash Flood	1/24/2002		0	0	$ -	$ -
Flash Flood	5/21/2001		0	0	$ 10,000.00	$ -
Flash Flood	5/18/2001		0	0	$ 40,000.00	$ -
Flash Flood	5/17/2001		0	0	$ 25,000.00	$ -
Flash Flood	12/16/2000		0	0	$ 10,000.00	$ -
Flash Flood	8/24/2000		0	0	$ 25,000.00	$ -
Flash Flood	2/18/2000		0	0	$ 1,000,000.00	$ -
Flash Flood	2/13/2000		0	0	$ 10,000.00	$ -
Flash Flood	8/24/1999		0	0	$ -	$ -
Flash Flood	6/14/1998		0	0	$ 50,000.00	$ -
Flash Flood	1/7/1998		0	0	$ 3,000.00	$ -

Event Type	Date	Magnitude	Deaths	Injuries	Property Damage	Crops Damage
Flash Flood	6/2/1997		0	0	$ 50,000.00	$ -
Flash Flood	5/19/1997		0	0	$ 10,000.00	$ -
Flash Flood	3/5/1997		0	0	$ 3,000.00	$ -
Flash Flood	3/3/1997		0	0	$ 5,000.00	$ -
Flash Flood	3/1/1997		0	0	$ 3,000,000.00	$ -
Flash Flood	8/21/1996		0	0	$ 15,000.00	$ -
Flash Flood	7/31/1996		0	0	$ -	$ -
Flash Flood	5/15/1996		0	0	$ 5,000.00	$ -
Flash Flood	5/4/1996		0	0	$ 5,000.00	$ -
Flash Flood	1/24/1996		0	0	$ 10,000.00	$ -
Flood	1/3/2023		0	0	$ -	$ -
Flood	1/3/2023		0	0	$ -	$ -
Flood	8/10/2022		0	0	$ -	$ -
Flood	5/6/2022		0	0	$ -	$ -
Flood	6/13/2021		0	0	$ 3,000.00	$ -
Flood	6/8/2021		0	0	$ 30,000.00	$ -
Flood	2/28/2021		0	0	$ -	$ -
Flood	2/28/2021		0	0	$ 10,000.00	$ -
Flood	2/28/2021		0	0	$ -	$ -
Flood	2/28/2021		0	0	$ 3,000.00	$ -
Flood	2/28/2021		0	0	$ -	$ -
Flood	2/28/2021		0	0	$ -	$ -
Flood	2/28/2021		0	0	$ -	$ -
Flood	2/28/2021		0	0	$ -	$ -
Flood	5/19/2020		0	0	$ -	$ -
Flood	5/19/2020		0	0	$ -	$ -
Flood	2/13/2020		0	0	$ -	$ -
Flood	2/13/2020		0	0	$ -	$ -
Flood	2/13/2020		0	0	$ -	$ -
Flood	2/13/2020		0	0	$ -	$ -
Flood	12/17/2019		0	0	$ -	$ -

Event Type	Date	Magnitude	Deaths	Injuries	Property Damage	Crops Damage
Flood	12/17/2019		0	0	$ -	$ -
Flood	12/17/2019		0	0	$ -	$ -
Flood	12/17/2019		0	0	$ -	$ -
Flood	12/16/2019		0	0	$ -	$ -
Flood	12/16/2019		0	0	$ -	$ -
Flood	12/16/2019		0	0	$ -	$ -
Flood	10/6/2019		0	0	$ 1,000.00	$ -
Flood	6/18/2019		0	0	$ -	$ -
Flood	2/20/2019		0	0	$ -	$ -
Flood	2/20/2019		0	0	$ -	$ -
Flood	2/20/2019		0	0	$ -	$ -
Flood	2/7/2019		0	0	$ -	$ -
Flood	2/6/2019		0	0	$ -	$ -
Flood	1/25/2019		0	0	$ -	$ -
Flood	9/9/2018		0	0	$ -	$ -
Flood	9/9/2018		0	0	$ -	$ -
Flood	9/9/2018		0	0	$ -	$ -
Flood	9/9/2018		0	0	$ -	$ -
Flood	9/8/2018		0	0	$ -	$ -
Flood	9/7/2018		0	0	$ -	$ -
Flood	2/22/2018		0	0	$ -	$ -
Flood	7/7/2017		0	0	$ -	$ -
Flood	3/1/2017		0	0	$ -	$ -
Flood	7/29/2016		0	0	$ -	$ -
Flood	6/20/2014		0	0	$ -	$ -
Flood	6/10/2014		0	0	$ -	$ -
Flood	5/27/2014		0	0	$ -	$ -
Flood	4/30/2014		0	0	$ -	$ -
Flood	4/30/2014		0	0	$ -	$ -
Flood	2/5/2014		0	0	$ -	$ -
Flood	12/22/2013		0	0	$ -	$ -

Event Type	Date	Magnitude	Deaths	Injuries	Property Damage	Crops Damage
Flood	5/10/2011		1	0	$ -	$ -
Flood	4/12/2011		0	0	$ 1,000.00	$ -
Flood	4/12/2011		0	0	$ 1,000.00	$ -
Flood	4/12/2011		0	0	$ 1,000.00	$ -
Flood	6/26/2009		0	0	$ -	$ -
Flood	3/19/2008		0	0	$ 3,000.00	$ -
Flood	2/6/2008		0	0	$ 3,000.00	$ -
Flood	5/26/2004		0	0	$ -	$ -
Flood	5/26/2004		0	0	$ -	$ -
Flood	4/13/2004		0	0	$ -	$ -
Flood	8/22/2003		0	0	$ -	$ -
Flood	7/19/2003		0	0	$ -	$ -
Flood	5/10/2003		0	0	$ -	$ -
Flood	3/20/2003		0	0	$ -	$ -
Flood	2/22/2003		0	0	$ -	$ -
Flood	6/6/2002		0	0	$ -	$ -
Flood	3/26/2002		0	0	$ -	$ -
Flood	3/26/2002		0	0	$ -	$ -
Flood	3/20/2002		0	0	$ -	$ -
Flood	5/17/2001		0	0	$ -	$ -
Flood	4/12/2001		0	0	$ -	$ -
Flood	12/17/2000		0	0	$ -	$ -
Flood	2/20/2000		2	0	$ 20,000.00	$ -
Flood	2/18/2000		0	0	$ -	$ -
Flood	2/14/2000		0	0	$ -	$ -
Flood	1/23/1999		0	0	$ -	$ -
Flood	3/2/1997		0	0	$ 2,000,000.00	$ -
Flood	3/1/1997		0	0	$ -	$ -
Flood	5/1/1996		0	0	$ 10,000.00	$ -
Flood	4/30/1996		0	0	$ 5,000.00	$ -
Flood	1/23/1996		0	0	$ 1,000,000.00	$ -

Event Type	Date	Magnitude	Deaths	Injuries	Property Damage	Crops Damage
Flood	1/17/1996		0	0	$ 20,000.00	$ -
Hail	4/8/2020	1.25	0	0	$ -	$ -
Hail	4/8/2020	1.75	0	0	$ -	$ -
Hail	8/11/2018	0.75	0	0	$ -	$ -
Hail	5/20/2017	0.88	0	0	$ -	$ -
Hail	9/29/2016	0.88	0	0	$ -	$ -
Hail	6/15/2016	0.75	0	0	$ -	$ -
Hail	4/26/2016	1	0	0	$ -	$ -
Hail	10/6/2014	0.75	0	0	$ -	$ -
Hail	7/27/2014	0.75	0	0	$ -	$ -
Hail	5/27/2014	0.88	0	0	$ -	$ -
Hail	4/3/2014	0.75	0	0	$ -	$ -
Hail	9/26/2012	0.88	0	0	$ -	$ -
Hail	9/26/2012	1	0	0	$ -	$ -
Hail	7/5/2012	1	0	0	$ -	$ -
Hail	7/1/2012	1	0	0	$ -	$ -
Hail	5/1/2012	1.25	0	0	$ -	$ -
Hail	4/26/2012	0.88	0	0	$ -	$ -
Hail	9/14/2011	1.75	0	0	$ -	$ -
Hail	7/11/2011	0.88	0	0	$ -	$ -
Hail	6/21/2011	1	0	0	$ -	$ -
Hail	6/7/2011	1.75	0	0	$ -	$ -
Hail	6/7/2011	1.25	0	0	$ -	$ -
Hail	5/10/2011	0.75	0	0	$ -	$ -
Hail	5/10/2011	0.75	0	0	$ -	$ -
Hail	5/10/2011	0.75	0	0	$ -	$ -
Hail	5/10/2011	1.5	0	0	$ -	$ -
Hail	5/10/2011	0.88	0	0	$ -	$ -
Hail	3/23/2011	0.75	0	0	$ -	$ -
Hail	3/23/2011	0.75	0	0	$ -	$ -
Hail	3/21/2011	0.75	0	0	$ -	$ -

Event Type	Date	Magnitude	Deaths	Injuries	Property Damage	Crops Damage
Hail	3/21/2011	1	0	0	$ -	$ -
Hail	3/21/2011	0.88	0	0	$ -	$ -
Hail	3/21/2011	0.75	0	0	$ -	$ -
Hail	3/21/2011	1	0	0	$ -	$ -
Hail	3/21/2011	0.88	0	0	$ -	$ -
Hail	7/17/2010	0.88	0	0	$ -	$ -
Hail	7/17/2010	1.25	0	0	$ -	$ -
Hail	7/17/2010	0.88	0	0	$ -	$ -
Hail	7/17/2010	1	0	0	$ -	$ -
Hail	6/21/2010	1.25	0	0	$ -	$ -
Hail	6/15/2010	0.75	0	0	$ -	$ -
Hail	5/14/2010	0.75	0	0	$ -	$ -
Hail	5/14/2010	0.75	0	0	$ -	$ -
Hail	7/11/2009	1.75	0	0	$ -	$ -
Hail	6/8/2009	0.88	0	0	$ -	$ -
Hail	5/30/2009	0.75	0	0	$ 1,000.00	$ -
Hail	6/23/2008	0.75	0	0	$ 1,000.00	$ -
Hail	6/16/2008	0.75	0	0	$ 2,000.00	$ -
Hail	6/10/2008	0.88	0	0	$ 3,000.00	$ -
Hail	6/10/2008	0.88	0	0	$ 3,000.00	$ -
Hail	6/4/2008	0.75	0	0	$ 1,000.00	$ -
Hail	8/3/2007	0.75	0	0	$ 5,000.00	$ -
Hail	7/27/2007	0.75	0	0	$ 1,000.00	$ -
Hail	7/27/2007	0.75	0	0	$ 1,000.00	$ -
Hail	7/24/2007	0.88	0	0	$ 1,000.00	$ -
Hail	7/15/2007	0.75	0	0	$ 1,000.00	$ -
Hail	7/30/2004	1	0	0	$ -	$ -
Hail	5/27/2004	0.88	0	0	$ -	$ -
Hail	5/26/2004	1.75	0	0	$ 10,000.00	$ -
Hail	5/26/2004	1.75	0	0	$ 10,000.00	$ -
Hail	5/11/2004	0.88	0	0	$ -	$ -

Event Type	Date	Magnitude	Deaths	Injuries	Property Damage	Crops Damage
Hail	8/11/2003	1.75	0	0	$ 3,000.00	$ -
Hail	7/12/2003	1	0	0	$ -	$ -
Hail	4/30/2003	0.75	0	0	$ -	$ -
Hail	11/10/2002	1.75	0	0	$ -	$ -
Hail	11/10/2002	1	0	0	$ -	$ -
Hail	8/23/2002	0.75	0	0	$ -	$ -
Hail	7/28/2000	1	0	0	$ 5,000.00	$ -
Hail	2/18/2000	0.75	0	0	$ -	$ -
Hail	10/13/1999	0.75	0	0	$ -	$ -
Hail	7/30/1999	1.75	0	0	$ -	$ -
Hail	6/8/1999	0.88	0	0	$ 1,000.00	$ -
Hail	6/16/1998	0.75	0	0	$ -	$ -
Hail	6/16/1998	1	0	0	$ -	$ -
Hail	5/24/1998	1	0	0	$ -	$ -
Hail	8/27/1997	0.75	0	0	$ -	$ -
Hail	7/29/1996	0.88	0	0	$ -	$ -
Hail	5/24/1996	0.75	0	0	$ -	$ -
Hail	5/24/1996	0.75	0	0	$ -	$ -
Hail	5/5/1996	3	0	0	$ -	$ -
Hail	6/16/1995	0.75	0	0	$ -	$ -
Hail	3/21/1995	0.75	0	0	$ -	$ -
Hail	3/21/1995	0.75	0	0	$ -	$ -
Heat	7/1/2012		0	0	$ -	$ -
Heat	6/28/2012		0	0	$ -	$ -
Heat	7/20/1999		0	0	$ -	$ -
Heavy Rain	4/10/2015		0	0	$ -	$ -
Heavy Rain	4/30/2014		0	0	$ -	$ -
Heavy Rain	5/4/2012		0	0	$ -	$ -
Heavy Rain	7/8/2011		0	0	$ -	$ -
Heavy Rain	4/23/2011		0	0	$ 1,000.00	$ -
Heavy Rain	4/23/2011		0	0	$ 1,000.00	$ -

Event Type	Date	Magnitude	Deaths	Injuries	Property Damage	Crops Damage
Heavy Snow	1/20/2011		0	0	$ -	$ -
Heavy Snow	2/15/2010		0	0	$ -	$ -
Heavy Snow	2/9/2010		0	0	$ -	$ -
Heavy Snow	2/3/2009		0	0	$ -	$ -
Heavy Snow	1/27/2009		0	0	$ -	$ -
Heavy Snow	12/16/2008		0	0	$ -	$ -
Heavy Snow	2/6/2007		0	0	$ -	$ -
Heavy Snow	1/19/2001		0	0	$ -	$ -
Heavy Snow	3/13/1999		0	0	$ -	$ -
Heavy Snow	3/9/1999		0	0	$ -	$ -
Heavy Snow	2/8/1997		0	0	$ -	$ -
Heavy Snow	1/11/1996		0	0	$ 1,000.00	$ -
High Wind	12/30/2019	50	0	0	$ -	$ -
High Wind	11/27/2019	50	0	0	$ -	$ -
High Wind	4/3/2016	50	0	0	$ 500.00	$ -
High Wind	12/9/2009	56	0	0	$ 4,000.00	$ -
High Wind	2/11/2009	59	0	0	$ -	$ -
High Wind	9/14/2008	50	0	0	$ 9,000,000.00	$ -
High Wind	12/1/2006	36	0	0	$ 6,000.00	$ -
High Wind	3/9/2002	52	0	0	$ 12,000.00	$ -
High Wind	12/11/2000	58	0	0	$ -	$ -
High Wind	3/5/1996	60	0	0	$ -	$ -
High Wind	1/18/1996	50	0	0	$ 2,000.00	$ -
Ice Storm	2/3/2022		0	0	$ -	$ -
Ice Storm	12/23/2008		0	0	$ -	$ -
Ice Storm	12/13/2000		0	0	$ -	$ -
Ice Storm	3/6/1996		0	0	$ -	$ -
Strong Wind	11/15/2020	43	0	0	$ 5,000.00	$ -
Thunderstorm Wind	7/18/2023	50	0	0	$ 3,000.00	$ -
Thunderstorm Wind	7/18/2023	50	0	0	$ 3,000.00	$ -

Event Type	Date	Magnitude	Deaths	Injuries	Property Damage	Crops Damage
Thunderstorm Wind	7/2/2023	50	0	0	$ 5,000.00	$ -
Thunderstorm Wind	7/2/2023	50	0	0	$ 20,000.00	$ -
Thunderstorm Wind	1/3/2023	45	0	0	$ 1,000.00	$ -
Thunderstorm Wind	7/6/2022	50	0	0	$ 4,000.00	$ -
Thunderstorm Wind	7/6/2022	50	0	0	$ 4,000.00	$ -
Thunderstorm Wind	6/22/2022	50	0	0	$ 3,000.00	$ -
Thunderstorm Wind	6/22/2022	50	0	0	$ 3,000.00	$ -
Thunderstorm Wind	6/22/2022	50	0	0	$ 3,000.00	$ -
Thunderstorm Wind	6/17/2022	50	0	0	$ 4,000.00	$ -
Thunderstorm Wind	6/13/2022	60	0	0	$ 30,000.00	$ -
Thunderstorm Wind	6/13/2022	50	0	0	$ 5,000.00	$ -
Thunderstorm Wind	8/13/2021	50	0	0	$ 3,000.00	$ -
Thunderstorm Wind	8/13/2021	50	0	0	$ 3,000.00	$ -
Thunderstorm Wind	7/29/2021	50	0	0	$ 5,000.00	$ -
Thunderstorm Wind	6/13/2021	50	0	0	$ 3,000.00	$ -
Thunderstorm Wind	6/13/2021	50	0	0	$ 3,000.00	$ -
Thunderstorm Wind	6/13/2021	50	0	0	$ 3,000.00	$ -
Thunderstorm Wind	11/15/2020	50	0	0	$ 15,000.00	$ -
Thunderstorm Wind	8/3/2020	45	0	0	$ 3,000.00	$ -

Event Type	Date	Magnitude	Deaths	Injuries	Property Damage	Crops Damage
Thunderstorm Wind	7/27/2020	45	0	0	$ 250.00	$ -
Thunderstorm Wind	7/9/2020	50	0	0	$ 3,000.00	$ -
Thunderstorm Wind	6/10/2020	50	0	0	$ 10,000.00	$ -
Thunderstorm Wind	6/10/2020	50	0	0	$ 1,000.00	$ -
Thunderstorm Wind	6/10/2020	50	0	0	$ 15,000.00	$ -
Thunderstorm Wind	6/10/2020	50	0	0	$ 12,000.00	$ -
Thunderstorm Wind	6/10/2020	50	0	0	$ 5,000.00	$ -
Thunderstorm Wind	4/13/2020	50	0	0	$ 4,000.00	$ -
Thunderstorm Wind	1/11/2020	55	0	0	$ 20,000.00	$ -
Thunderstorm Wind	1/11/2020	60	0	0	$ 20,000.00	$ -
Thunderstorm Wind	8/20/2019	45	0	0	$ 1,000.00	$ -
Thunderstorm Wind	8/20/2019	45	0	0	$ 1,000.00	$ -
Thunderstorm Wind	7/16/2019	50	0	0	$ 1,000.00	$ -
Thunderstorm Wind	7/11/2019	50	0	0	$ 4,000.00	$ -
Thunderstorm Wind	6/17/2019	50	0	0	$ 1,000.00	$ -
Thunderstorm Wind	6/17/2019	50	0	0	$ 1,000.00	$ -
Thunderstorm Wind	6/16/2019	50	0	0	$ 2,000.00	$ -
Thunderstorm Wind	6/16/2019	58	0	0	$ -	$ -
Thunderstorm Wind	6/16/2019	50	0	0	$ 2,000.00	$ -

Event Type	Date	Magnitude	Deaths	Injuries	Property Damage	Crops Damage
Thunderstorm Wind	6/16/2019	43	0	0	$ 2,000.00	$ -
Thunderstorm Wind	5/29/2019	50	0	0	$ 1,000.00	$ -
Thunderstorm Wind	5/29/2019	50	0	0	$ 1,000.00	$ -
Thunderstorm Wind	5/17/2019	45	0	0	$ 1,000.00	$ -
Thunderstorm Wind	5/17/2019	50	0	0	$ 3,000.00	$ -
Thunderstorm Wind	5/17/2019	60	0	0	$ 50,000.00	$ -
Thunderstorm Wind	5/17/2019	50	0	0	$ 10,000.00	$ -
Thunderstorm Wind	5/17/2019	50	0	0	$ 5,000.00	$ -
Thunderstorm Wind	5/17/2019	45	0	0	$ 1,000.00	$ -
Thunderstorm Wind	5/2/2019	45	0	0	$ 1,000.00	$ -
Thunderstorm Wind	8/11/2018	40	0	0	$ 1,000.00	$ -
Thunderstorm Wind	8/11/2018	40	0	0	$ 1,000.00	$ -
Thunderstorm Wind	8/11/2018	40	0	0	$ 1,000.00	$ -
Thunderstorm Wind	8/7/2018	35	0	0	$ 1,000.00	$ -
Thunderstorm Wind	8/6/2018	35	0	0	$ 1,000.00	$ -
Thunderstorm Wind	7/20/2018	45	0	0	$ 1,000.00	$ -
Thunderstorm Wind	7/5/2018	50	0	0	$ 3,000.00	$ -
Thunderstorm Wind	7/2/2018	45	0	0	$ 1,000.00	$ -
Thunderstorm Wind	7/2/2018	50	0	0	$ 4,000.00	$ -

Event Type	Date	Magnitude	Deaths	Injuries	Property Damage	Crops Damage
Thunderstorm Wind	7/1/2018	50	0	0	$ 4,000.00	$ -
Thunderstorm Wind	7/1/2018	50	0	0	$ 500.00	$ -
Thunderstorm Wind	6/20/2018	50	0	0	$ 2,000.00	$ -
Thunderstorm Wind	6/20/2018	50	0	0	$ 2,000.00	$ -
Thunderstorm Wind	6/19/2018	50	0	0	$ 2,000.00	$ -
Thunderstorm Wind	6/13/2018	50	0	0	$ 5,000.00	$ -
Thunderstorm Wind	5/31/2018	50	0	0	$ 1,000.00	$ -
Thunderstorm Wind	5/31/2018	50	0	0	$ 1,000.00	$ -
Thunderstorm Wind	5/31/2018	50	0	0	$ 1,000.00	$ -
Thunderstorm Wind	5/26/2018	45	0	0	$ 1,000.00	$ -
Thunderstorm Wind	10/15/2017	35	0	0	$ 1,000.00	$ -
Thunderstorm Wind	8/22/2017	50	0	0	$ 1,000.00	$ -
Thunderstorm Wind	8/22/2017	50	0	0	$ -	$ -
Thunderstorm Wind	7/7/2017	50	0	0	$ 1,000.00	$ -
Thunderstorm Wind	7/7/2017	50	0	0	$ 1,000.00	$ -
Thunderstorm Wind	7/7/2017	50	0	0	$ 1,000.00	$ -
Thunderstorm Wind	5/19/2017	45	0	0	$ 1,000.00	$ -
Thunderstorm Wind	5/1/2017	50	0	0	$ 1,000.00	$ -
Thunderstorm Wind	3/1/2017	50	0	0	$ 10,000.00	$ -

Event Type	Date	Magnitude	Deaths	Injuries	Property Damage	Crops Damage
Thunderstorm Wind	9/10/2016	50	0	0	$ 2,000.00	$ -
Thunderstorm Wind	8/27/2016	50	0	0	$ 2,000.00	$ -
Thunderstorm Wind	8/17/2016	50	0	0	$ 1,000.00	$ -
Thunderstorm Wind	8/17/2016	50	0	0	$ 1,000.00	$ -
Thunderstorm Wind	8/9/2016	50	0	0	$ 1,500.00	$ -
Thunderstorm Wind	7/26/2016	50	0	0	$ 500.00	$ -
Thunderstorm Wind	7/26/2016	45	0	0	$ 500.00	$ -
Thunderstorm Wind	7/26/2016	45	0	0	$ 500.00	$ -
Thunderstorm Wind	7/14/2016	50	0	0	$ 10,000.00	$ -
Thunderstorm Wind	7/8/2016	50	0	0	$ 4,000.00	$ -
Thunderstorm Wind	7/8/2016	50	0	0	$ 3,000.00	$ -
Thunderstorm Wind	7/8/2016	50	0	0	$ 500.00	$ -
Thunderstorm Wind	6/15/2016	43	0	0	$ 1,000.00	$ -
Thunderstorm Wind	5/10/2016	45	0	0	$ 4,000.00	$ -
Thunderstorm Wind	2/29/2016	39	0	0	$ 500.00	$ -
Thunderstorm Wind	7/14/2015	50	0	0	$ 2,000.00	$ -
Thunderstorm Wind	7/14/2015	50	0	0	$ 4,000.00	$ -
Thunderstorm Wind	7/14/2015	50	0	0	$ 1,000.00	$ -
Thunderstorm Wind	7/14/2015	50	0	0	$ 1,000.00	$ -

Event Type	Date	Magnitude	Deaths	Injuries	Property Damage	Crops Damage
Thunderstorm Wind	7/13/2015	50	0	0	$ 15,000.00	$ -
Thunderstorm Wind	7/13/2015	50	0	0	$ 7,000.00	$ -
Thunderstorm Wind	7/13/2015	50	0	0	$ 1,000.00	$ -
Thunderstorm Wind	7/7/2015	50	0	0	$ 1,000.00	$ -
Thunderstorm Wind	7/7/2015	50	0	0	$ 5,000.00	$ -
Thunderstorm Wind	6/30/2015	50	0	0	$ 3,000.00	$ -
Thunderstorm Wind	5/11/2015	50	0	0	$ 3,000.00	$ -
Thunderstorm Wind	5/11/2015	50	0	0	$ 5,000.00	$ -
Thunderstorm Wind	5/11/2015	50	0	0	$ 5,000.00	$ -
Thunderstorm Wind	12/24/2014	50	0	0	$ 4,000.00	$ -
Thunderstorm Wind	10/7/2014	50	0	0	$ 1,000.00	$ -
Thunderstorm Wind	10/7/2014	50	0	0	$ 1,000.00	$ -
Thunderstorm Wind	10/7/2014	50	0	0	$ 1,000.00	$ -
Thunderstorm Wind	6/10/2014	50	0	0	$ 50,000.00	$ -
Thunderstorm Wind	6/10/2014	50	0	0	$ 1,000.00	$ -
Thunderstorm Wind	6/10/2014	50	0	0	$ 10,000.00	$ -
Thunderstorm Wind	6/4/2014	50	0	0	$ 10,000.00	$ -
Thunderstorm Wind	4/29/2014	50	0	0	$ 2,000.00	$ -
Thunderstorm Wind	2/21/2014	50	0	0	$ 2,000.00	$ -

Event Type	Date	Magnitude	Deaths	Injuries	Property Damage	Crops Damage
Thunderstorm Wind	12/22/2013	50	0	0	$ 5,000.00	$ -
Thunderstorm Wind	12/22/2013	50	0	0	$ 20,000.00	$ -
Thunderstorm Wind	12/22/2013	50	0	0	$ 1,000.00	$ -
Thunderstorm Wind	12/22/2013	50	0	0	$ 5,000.00	$ -
Thunderstorm Wind	12/22/2013	50	0	0	$ 10,000.00	$ -
Thunderstorm Wind	11/17/2013	50	0	0	$ 1,000.00	$ -
Thunderstorm Wind	11/1/2013	50	0	0	$ 1,000.00	$ -
Thunderstorm Wind	9/12/2013	50	0	0	$ 5,000.00	$ -
Thunderstorm Wind	9/2/2013	50	0	0	$ 5,000.00	$ -
Thunderstorm Wind	7/19/2013	50	0	0	$ 1,000.00	$ -
Thunderstorm Wind	7/10/2013	50	0	0	$ 1,000.00	$ -
Thunderstorm Wind	7/10/2013	55	0	0	$ 40,000.00	$ -
Thunderstorm Wind	7/10/2013	50	0	0	$ 1,000.00	$ -
Thunderstorm Wind	7/10/2013	50	0	0	$ 1,000.00	$ -
Thunderstorm Wind	7/10/2013	50	0	0	$ 1,000.00	$ -
Thunderstorm Wind	7/4/2013	50	0	0	$ 25,000.00	$ -
Thunderstorm Wind	6/13/2013	50	0	0	$ 3,000.00	$ -
Thunderstorm Wind	1/30/2013	50	0	0	$ 1,000.00	$ -
Thunderstorm Wind	6/29/2012	56	0	0	$ 5,000.00	$ -

Event Type	Date	Magnitude	Deaths	Injuries	Property Damage	Crops Damage
Thunderstorm Wind	6/29/2012	56	0	0	$ 20,000.00	$ -
Thunderstorm Wind	6/29/2012	56	0	0	$ 30,000.00	$ -
Thunderstorm Wind	6/29/2012	56	0	0	$ 100,000.00	$ -
Thunderstorm Wind	6/29/2012	56	0	0	$ 3,000.00	$ -
Thunderstorm Wind	6/29/2012	56	0	0	$ 5,000.00	$ -
Thunderstorm Wind	5/1/2012	50	0	0	$ 2,000.00	$ -
Thunderstorm Wind	7/22/2011	50	0	0	$ 3,000.00	$ -
Thunderstorm Wind	7/11/2011	50	0	0	$ 3,000.00	$ -
Thunderstorm Wind	6/21/2011	50	0	0	$ 2,000.00	$ -
Thunderstorm Wind	6/21/2011	50	0	0	$ 1,000.00	$ -
Thunderstorm Wind	6/21/2011	50	0	0	$ 2,000.00	$ -
Thunderstorm Wind	5/23/2011	61	0	0	$ 2,000.00	$ -
Thunderstorm Wind	5/23/2011	52	0	0	$ 2,000.00	$ -
Thunderstorm Wind	5/22/2011	50	0	0	$ 10,000.00	$ -
Thunderstorm Wind	5/22/2011	50	0	0	$ 1,000.00	$ -
Thunderstorm Wind	5/13/2011	50	0	0	$ 3,000.00	$ -
Thunderstorm Wind	5/10/2011	50	0	0	$ 2,000.00	$ -
Thunderstorm Wind	4/23/2011	50	0	0	$ 2,000.00	$ -
Thunderstorm Wind	4/20/2011	50	0	0	$ 1,000.00	$ -

Event Type	Date	Magnitude	Deaths	Injuries	Property Damage	Crops Damage
Thunderstorm Wind	3/23/2011	66	0	0	$ 2,000.00	$ -
Thunderstorm Wind	3/23/2011	50	1	0	$ 1,000.00	$ -
Thunderstorm Wind	2/28/2011	50	0	0	$ 1,000.00	$ -
Thunderstorm Wind	2/28/2011	50	0	0	$ 1,000.00	$ -
Thunderstorm Wind	10/26/2010	60	0	0	$ 1,000.00	$ -
Thunderstorm Wind	10/26/2010	60	0	0	$ 1,000.00	$ -
Thunderstorm Wind	8/14/2010	50	0	0	$ 1,000.00	$ -
Thunderstorm Wind	8/5/2010	50	0	0	$ 5,000.00	$ -
Thunderstorm Wind	7/11/2009	50	0	0	$ 6,000.00	$ -
Thunderstorm Wind	7/11/2009	82	0	0	$ 60,000.00	$ -
Thunderstorm Wind	6/14/2009	52	0	0	$ 8,000.00	$ -
Thunderstorm Wind	5/30/2009	50	0	0	$ -	$ -
Thunderstorm Wind	2/11/2009	50	0	0	$ 10,000.00	$ -
Thunderstorm Wind	2/11/2009	52	0	0	$ 20,000.00	$ -
Thunderstorm Wind	2/11/2009	50	0	0	$ 8,000.00	$ -
Thunderstorm Wind	7/20/2008	50	0	0	$ 3,000.00	$ -
Thunderstorm Wind	6/10/2008	50	0	0	$ 3,000.00	$ -
Thunderstorm Wind	6/10/2008	50	0	0	$ 3,000.00	$ -
Thunderstorm Wind	6/10/2008	50	0	0	$ 3,000.00	$ -

Event Type	Date	Magnitude	Deaths	Injuries	Property Damage	Crops Damage
Thunderstorm Wind	6/4/2008	50	0	0	$ 3,000.00	$ -
Thunderstorm Wind	6/4/2008	55	0	0	$ 6,000.00	$ -
Thunderstorm Wind	2/6/2008	50	0	0	$ 15,000.00	$ -
Thunderstorm Wind	8/25/2007	50	0	0	$ 5,000.00	$ -
Thunderstorm Wind	8/16/2007	50	0	0	$ 3,000.00	$ -
Thunderstorm Wind	7/19/2007	50	0	0	$ 2,000.00	$ -
Thunderstorm Wind	7/17/2007	50	0	0	$ 4,000.00	$ -
Thunderstorm Wind	7/15/2007	50	0	0	$ 3,000.00	$ -
Thunderstorm Wind	6/19/2007	50	0	0	$ 3,000.00	$ -
Thunderstorm Wind	6/13/2007	50	0	0	$ 5,000.00	$ -
Thunderstorm Wind	8/3/2006	50	0	0	$ 2,000.00	$ -
Thunderstorm Wind	7/21/2006	50	0	0	$ 2,000.00	$ -
Thunderstorm Wind	5/25/2006	50	0	0	$ 3,000.00	$ -
Thunderstorm Wind	8/20/2005	50	0	0	$ 3,000.00	$ -
Thunderstorm Wind	8/5/2005	50	0	0	$ 3,000.00	$ -
Thunderstorm Wind	6/30/2005	50	0	0	$ 10,000.00	$ -
Thunderstorm Wind	6/14/2005	50	0	0	$ 3,000.00	$ -
Thunderstorm Wind	6/14/2005	50	0	0	$ 3,000.00	$ -
Thunderstorm Wind	5/19/2005	50	0	0	$ 5,000.00	$ -

Event Type	Date	Magnitude	Deaths	Injuries	Property Damage	Crops Damage
Thunderstorm Wind	4/22/2005	50	0	0	$ 20,000.00	$ -
Thunderstorm Wind	7/6/2004	50	0	0	$ 2,000.00	$ -
Thunderstorm Wind	5/31/2004	50	0	0	$ 2,000.00	$ -
Thunderstorm Wind	5/27/2004	50	0	0	$ 4,000.00	$ -
Thunderstorm Wind	7/10/2003	50	0	0	$ 3,000.00	$ -
Thunderstorm Wind	7/6/2003	50	0	0	$ 3,000.00	$ -
Thunderstorm Wind	5/1/2003	54	0	0	$ -	$ -
Thunderstorm Wind	6/4/2002	50	0	0	$ 5,000.00	$ -
Thunderstorm Wind	10/24/2001	50	0	0	$ 5,000.00	$ -
Thunderstorm Wind	4/6/2001	65	0	0	$ 10,000.00	$ -
Thunderstorm Wind	11/9/2000	50	0	0	$ 10,000.00	$ -
Thunderstorm Wind	9/20/2000	50	0	0	$ 5,000.00	$ -
Thunderstorm Wind	8/9/2000	50	0	0	$ 10,000.00	$ -
Thunderstorm Wind	8/9/2000	60	0	0	$ 50,000.00	$ -
Thunderstorm Wind	7/28/2000	50	0	0	$ 25,000.00	$ -
Thunderstorm Wind	4/20/2000	50	0	0	$ 5,000.00	$ -
Thunderstorm Wind	8/24/1999	50	0	0	$ 5,000.00	$ -
Thunderstorm Wind	7/24/1999	50	0	0	$ 3,000.00	$ -
Thunderstorm Wind	11/10/1998	50	0	0	$ 5,000.00	$ -

Event Type	Date	Magnitude	Deaths	Injuries	Property Damage	Crops Damage
Thunderstorm Wind	8/25/1998	50	0	0	$ 5,000.00	$ -
Thunderstorm Wind	7/19/1998	60	0	0	$ 20,000.00	$ -
Thunderstorm Wind	6/12/1998	50	0	0	$ 3,000.00	$ -
Thunderstorm Wind	5/21/1998	50	0	0	$ 5,000.00	$ -
Thunderstorm Wind	4/8/1998	50	0	0	$ 3,000.00	$ -
Thunderstorm Wind	2/18/1998	50	0	0	$ 2,000.00	$ -
Thunderstorm Wind	8/17/1997	50	0	0	$ 10,000.00	$ -
Thunderstorm Wind	8/17/1997	50	0	0	$ 3,000.00	$ -
Thunderstorm Wind	8/17/1997	50	0	0	$ 3,000.00	$ -
Thunderstorm Wind	7/23/1997	50	0	0	$ 3,000.00	$ -
Thunderstorm Wind	7/2/1997	50	0	0	$ 5,000.00	$ -
Thunderstorm Wind	5/19/1997	50	0	0	$ 3,000.00	$ -
Thunderstorm Wind	11/7/1996	50	0	0	$ 5,000.00	$ -
Thunderstorm Wind	8/21/1996	60	0	0	$ 10,000.00	$ -
Thunderstorm Wind	8/15/1996	50	0	0	$ 5,000.00	$ -
Thunderstorm Wind	8/8/1996	50	0	0	$ 4,000.00	$ -
Thunderstorm Wind	6/24/1996	50	0	0	$ 5,000.00	$ -
Thunderstorm Wind	6/7/1996	50	0	0	$ 5,000.00	$ -
Thunderstorm Wind	6/6/1996	50	0	0	$ 4,000.00	$ -

Event Type	Date	Magnitude	Deaths	Injuries	Property Damage	Crops Damage
Thunderstorm Wind	5/24/1996	50	0	0	$ 3,000.00	$ -
Thunderstorm Wind	5/8/1996	50	0	0	$ 10,000.00	$ -
Thunderstorm Wind	5/4/1996	50	0	0	$ 5,000.00	$ -
Thunderstorm Wind	4/23/1996	50	0	0	$ 1,000.00	$ -
Thunderstorm Wind	4/16/1996	55	0	0	$ 3,000.00	$ -
Thunderstorm Wind	8/9/1995	0	0	0	$ 3,000.00	$ -
Thunderstorm Wind	7/23/1995	0	0	0	$ 3.00	$ -
Thunderstorm Wind	7/14/1995	0	0	0	$ 6.00	$ -
Thunderstorm Wind	6/29/1995	0	0	0	$ 20,000.00	$ -
Thunderstorm Wind	6/10/1995	0	0	0	$ 4,000.00	$ -
Thunderstorm Wind	6/9/1995	0	0	0	$ 3,000.00	$ -
Thunderstorm Wind	6/8/1995	0	0	0	$ 3,000.00	$ -
Thunderstorm Wind	5/24/1995	0	0	0	$ 3.00	$ -
Tornado	6/4/2014		0	0	$ 100,000.00	$ -
Tornado	3/2/2012		0	0	$ 10,000.00	$ -
Tornado	3/2/2012		0	0	$ 170,000.00	$ 10,000.00
Tornado	5/19/2005		0	0	$ 20,000.00	$ -
Tornado	8/9/2000		0	0	$ 300,000.00	$ -
Tornado	5/8/1996		0	0	$ 5,000.00	$ -
Tornado	5/4/1996		0	0	$ 25,000.00	$ -
Winter Storm	3/11/2022		0	0	$ -	$ -
Winter Storm	1/16/2022		0	0	$ -	$ -
Winter Storm	2/10/2021		0	0	$ -	$ -

Event Type	Date	Magnitude	Deaths	Injuries	Property Damage	Crops Damage
Winter Storm	12/24/2020		0	0	$ -	$ -
Winter Storm	1/12/2018		0	0	$ -	$ -
Winter Storm	2/15/2016		0	0	$ -	$ -
Winter Storm	2/14/2016		0	0	$ -	$ -
Winter Storm	1/22/2016		0	0	$ -	$ -
Winter Storm	3/4/2015		0	0	$ -	$ -
Winter Storm	2/21/2015		0	0	$ -	$ -
Winter Storm	2/15/2015		0	0	$ -	$ -
Winter Storm	1/23/2015		0	0	$ -	$ -
Winter Storm	3/16/2014		0	0	$ -	$ -
Winter Storm	3/2/2014		0	0	$ -	$ -
Winter Storm	2/14/2014		0	0	$ -	$ -
Winter Storm	2/4/2014		0	0	$ -	$ -
Winter Storm	2/2/2014		0	0	$ -	$ -
Winter Storm	1/20/2014		0	0	$ -	$ -
Winter Storm	11/26/2013		0	0	$ -	$ -
Winter Storm	3/17/2013		0	0	$ -	$ -
Winter Storm	12/28/2012		0	0	$ -	$ -
Winter Storm	12/16/2010		0	0	$ -	$ -
Winter Storm	3/7/2008		0	0	$ -	$ -
Winter Storm	2/21/2008		0	0	$ -	$ -
Winter Storm	2/12/2008		0	0	$ -	$ -
Winter Storm	1/21/2005		0	0	$ -	$ -
Winter Storm	1/25/2004		0	0	$ -	$ -
Winter Storm	2/16/2003		0	0	$ 1,500,000.00	$ -
Winter Storm	1/16/2003		0	0	$ -	$ -
Winter Storm	12/5/2002		0	0	$ -	$ -
Winter Storm	1/19/2002		0	0	$ -	$ -
Winter Storm	1/29/2000		0	0	$ -	$ -
Winter Storm	2/3/1998		0	0	$ -	$ -
Winter Storm	3/19/1996		0	0	$ -	$ -

Event Type	Date	Magnitude	Deaths	Injuries	Property Damage	Crops Damage
Winter Storm	1/6/1996		0	0	$ 500,000.00	$ -
Winter Weather	12/22/2022		0	0	$ -	$ -
Winter Weather	1/28/2022		0	0	$ -	$ -
Winter Weather	1/28/2022		0	0	$ -	$ -
Winter Weather	1/19/2022		0	0	$ -	$ -
Winter Weather	1/6/2022		0	0	$ -	$ -
Winter Weather	4/20/2021		0	0	$ -	$ -
Winter Weather	1/30/2021		0	0	$ -	$ -
Winter Weather	1/27/2021		0	0	$ -	$ -
Winter Weather	12/1/2020		0	0	$ -	$ -
Winter Weather	11/30/2020		0	0	$ -	$ -
Winter Weather	2/6/2020		0	0	$ -	$ -
Winter Weather	12/15/2019		0	0	$ -	$ -
Winter Weather	11/11/2019		0	0	$ -	$ -
Winter Weather	3/7/2019		0	0	$ -	$ -
Winter Weather	2/10/2019		0	0	$ -	$ -
Winter Weather	2/1/2019		0	0	$ -	$ -
Winter Weather	1/19/2019		0	0	$ -	$ -
Winter Weather	4/6/2018		0	0	$ -	$ -

Event Type	Date	Magnitude	Deaths	Injuries	Property Damage	Crops Damage
Winter Weather	2/17/2018		0	0	$ -	$ -
Winter Weather	2/11/2018		0	0	$ -	$ -
Winter Weather	1/15/2018		0	0	$ -	$ -
Winter Weather	12/29/2017		0	0	$ -	$ -
Winter Weather	12/9/2017		0	0	$ -	$ -
Winter Weather	3/13/2017		0	0	$ -	$ -
Winter Weather	1/29/2017		0	0	$ -	$ -
Winter Weather	1/5/2017		0	0	$ -	$ -
Winter Weather	4/8/2016		0	0	$ -	$ -
Winter Weather	3/3/2016		0	0	$ -	$ -
Winter Weather	2/8/2016		0	0	$ -	$ -
Winter Weather	1/20/2016		0	0	$ -	$ -
Winter Weather	1/12/2016		0	0	$ -	$ -
Winter Weather	2/20/2015		0	0	$ -	$ -
Winter Weather	2/14/2015		0	0	$ -	$ -
Winter Weather	2/4/2015		0	0	$ -	$ -
Winter Weather	1/25/2015		0	0	$ -	$ -
Winter Weather	1/5/2015		0	0	$ -	$ -
Winter Weather	11/22/2014		0	0	$ -	$ -

Event Type	Date	Magnitude	Deaths	Injuries	Property Damage	Crops Damage
Winter Weather	11/16/2014		0	0	$ -	$ -
Winter Weather	3/12/2014		0	0	$ -	$ -
Winter Weather	1/18/2014		0	0	$ -	$ -
Winter Weather	1/2/2014		0	0	$ -	$ -
Winter Weather	12/16/2013		0	0	$ -	$ -
Winter Weather	12/10/2013		0	0	$ -	$ -
Winter Weather	12/6/2013		0	0	$ -	$ -
Winter Weather	3/5/2013		0	0	$ -	$ -
Winter Weather	2/21/2013		0	0	$ -	$ -
Winter Weather	1/31/2013		0	0	$ -	$ -
Winter Weather	3/5/2012		0	0	$ -	$ -
Winter Weather	2/10/2012		0	0	$ -	$ -
Winter Weather	2/8/2012		0	0	$ -	$ -
Winter Weather	1/20/2012		0	0	$ -	$ -
Winter Weather	1/11/2011		0	0	$ -	$ -
Winter Weather	12/12/2010		0	0	$ -	$ -
Winter Weather	2/26/2010		0	0	$ -	$ -
Winter Weather	1/7/2010		0	0	$ -	$ -
Winter Weather	12/19/2009		0	0	$ -	$ -

Event Type	Date	Magnitude	Deaths	Injuries	Property Damage	Crops Damage
Winter Weather	2/22/2008		0	0	$ -	$ -
Winter Weather	1/1/2008		0	0	$ -	$ -
Winter Weather	12/4/2007		0	0	$ -	$ -
Total					$ 21,181,262.00	$ 10,000.00

Appendix B: Previous Mitigation Actions

Action Item	Scioto County	City of Portsmouth	Village of New Boston	Village of Otway	Village of Rarden	Village of South Webster
Status						
Replace antiquated floodwall pump station control systems	Not Applicable	Ongoing	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Anchor mobile homes and propane tanks	Ongoing	Ongoing	Ongoing	Completed	Ongoing	Ongoing
Upgrade undersized/establish storm water drainage systems	Ongoing	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Mitigate structures in flood-prone areas	Ongoing	Ongoing	Ongoing	Completed	Ongoing	Ongoing
Eliminate combined sewer system backflow	Not Applicable	Ongoing	Ongoing	Not Applicable	Not Applicable	Not Applicable
Remove debris in streams	Ongoing	Ongoing	Ongoing	Completed	Ongoing	Ongoing
Reduce erosion of streams	Ongoing	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Repair/Upgrade wastewater and water treatment plants	Not Applicable	Ongoing	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Identify/resolve potential landslide locations	Ongoing	Not Applicable	Not Applicable	Not Applicable	Completed	Not Applicable
Reduce systematic problems caused by utility line ruptures	Not Applicable	Ongoing	Ongoing	Completed	Ongoing	Ongoing
Update dam Emergency Action Plans; update inundation data for dams without EAPs or no current inundation data	Ongoing	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Rehabilitate dams known to be of high hazard	Ongoing	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Enhance public warning systems.	Ongoing	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Increase rural broadband coverage	Ongoing	Not Applicable	Not Applicable	Not Applicable	Completed	Not Applicable
Install generators at critical facilities	Ongoing	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Adopt higher flood standards than NFIP minimums due to historical flood events and to reduce future damages	Ongoing	Ongoing	Ongoing	Completed	Ongoing	Ongoing
Encourage jurisdictions to establish zones/building codes to control land use in at-risk areas	Ongoing	Ongoing	Ongoing	Completed	Ongoing	Not Applicable
Create rental housing inspection and permit program	Ongoing	Ongoing	Ongoing	Completed	Ongoing	Completed
Conduct a hydrologic and hydraulic (H&H) study of Scioto County	Ongoing	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Establish community shelters	Ongoing	Ongoing	Ongoing	Completed	Ongoing	Ongoing

Action Item	Scioto County	City of Portsmouth	Village of New Boston	Village of Otway	Village of Rarden	Village of South Webster
Construct Safe Rooms - Community	Ongoing	Ongoing	Ongoing	Completed	Ongoing	Ongoing
Construct Safe Rooms - Residential	Ongoing	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Purchase stock of PPE for first responders	Ongoing	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Develop and implement an all-hazards public education program	Ongoing	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Number in New Plan						
Replace antiquated floodwall pump station control systems	Not Applicable	6	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Anchor mobile homes and propane tanks	25	7	10	Completed	2	5
Upgrade undersized/establish storm water drainage systems	42	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Mitigate structures in flood-prone areas	36	13	16	Completed	9	8
Eliminate combined sewer system backflow	Not Applicable	10	13	Not Applicable	Not Applicable	Not Applicable
Remove debris in streams	40	15	18	Completed	12	10
Reduce erosion of streams	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Repair/Upgrade wastewater and water treatment plants	Not Applicable	5	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Identify/resolve potential landslide locations	24	Not Applicable	Not Applicable	Not Applicable	Completed	Not Applicable
Reduce systematic problems caused by utility line ruptures	Not Applicable	14	17	Completed	11	9
Update dam Emergency Action Plans; update inundation data for dams without EAPs or no current inundation data	41	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Rehabilitate dams known to be of high hazard	39	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Enhance public warning systems.	32	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Increase rural broadband coverage	34	Not Applicable	Not Applicable	Not Applicable	Completed	Not Applicable
Install generators at critical facilities	35	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Adopt higher flood standards than NFIP minimums due to historical flood events and to reduce future damages	6	3	3	Completed	1	3

Action Item	Scioto County	City of Portsmouth	Village of New Boston	Village of Otway	Village of Rarden	Village of South Webster
Encourage jurisdictions to establish zones/building codes to control land use in at-risk areas	30	11	14	Completed	5	Not Applicable
Create rental housing inspection and permit program	28	9	12	Completed	4	Completed
Conduct a hydrologic and hydraulic (H&H) study of Scioto County	9	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Establish community shelters	33	12	15	Completed	8	7
Construct Safe Rooms - Community	26	8	11	Completed	3	6
Construct Safe Rooms - Residential	27	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Purchase stock of PPE for first responders	38	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Develop and implement an all-hazards public education program	29	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

Appendix C: Community Lifelines List

The following table provides a summary of the number of community lifelines (critical facilities) categorized by each type.

Component	Count
Colleges and Universities	3
Fire Station	25
Funeral Service	13
Health Department	2
Healthcare Facility	12
Hospital	2
Industry	5
Local Government	45
Local Police Department	7
Mobile Home Park	6
Non-Governmental Organizations	9
Nursing Home / Assisted Living	21
Pharmacy	21
Places of Worship	148
Prison	3
Private School	4
Public School	34
Water Treatment Plant	18

Appendix D: Sources

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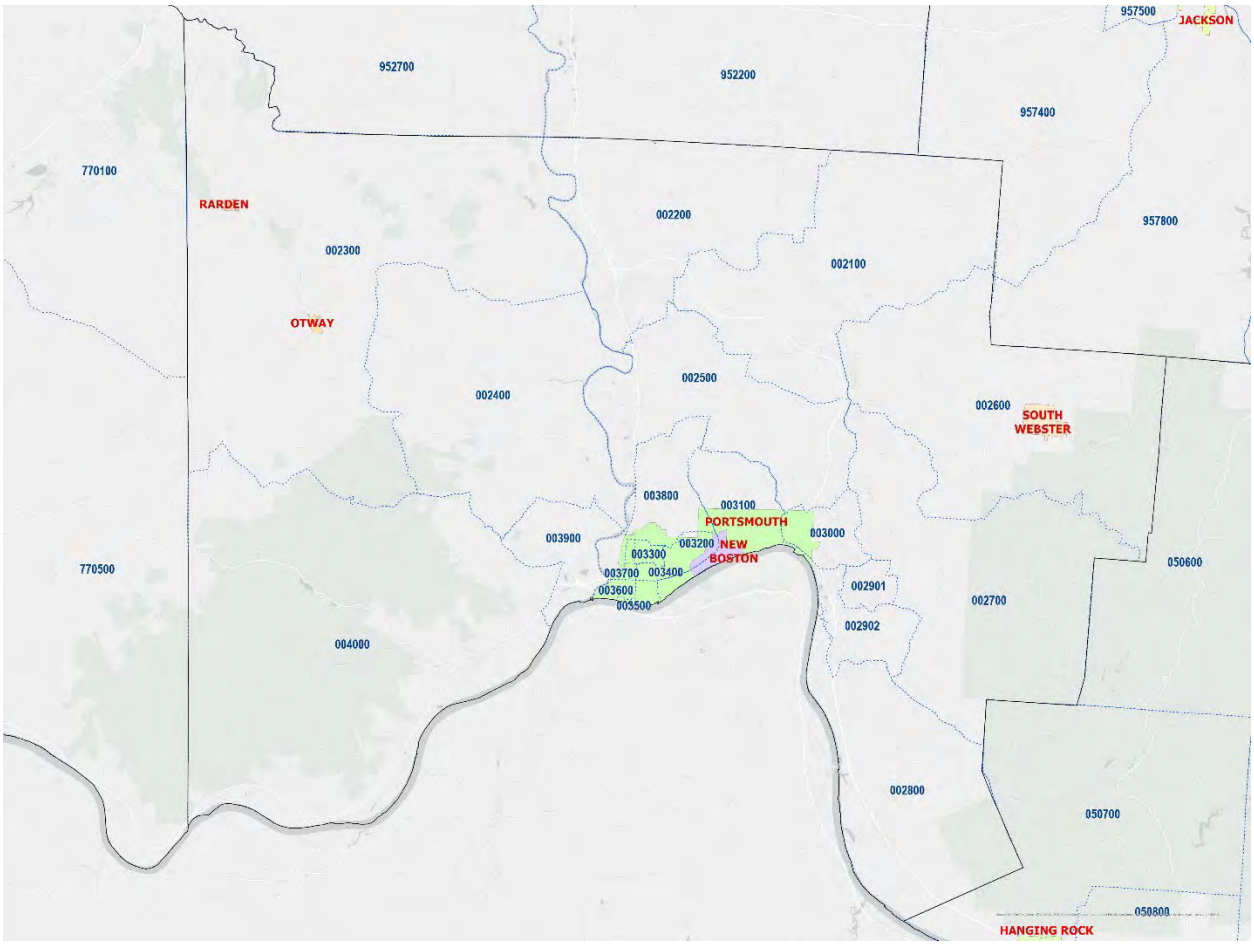
Appendix E: National Risk Index Reports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National Risk Index

June 01, 2025

Risk Comparison Report

Use this report to determine how risk factors in selected communities compare to each other. Click a community name in any table below to open an individual risk profile report for that community and review its risk factors in more detail.

While reviewing this report, keep in mind that low risk is driven by lower loss due to natural hazards, lower social vulnerability, and higher community resilience.

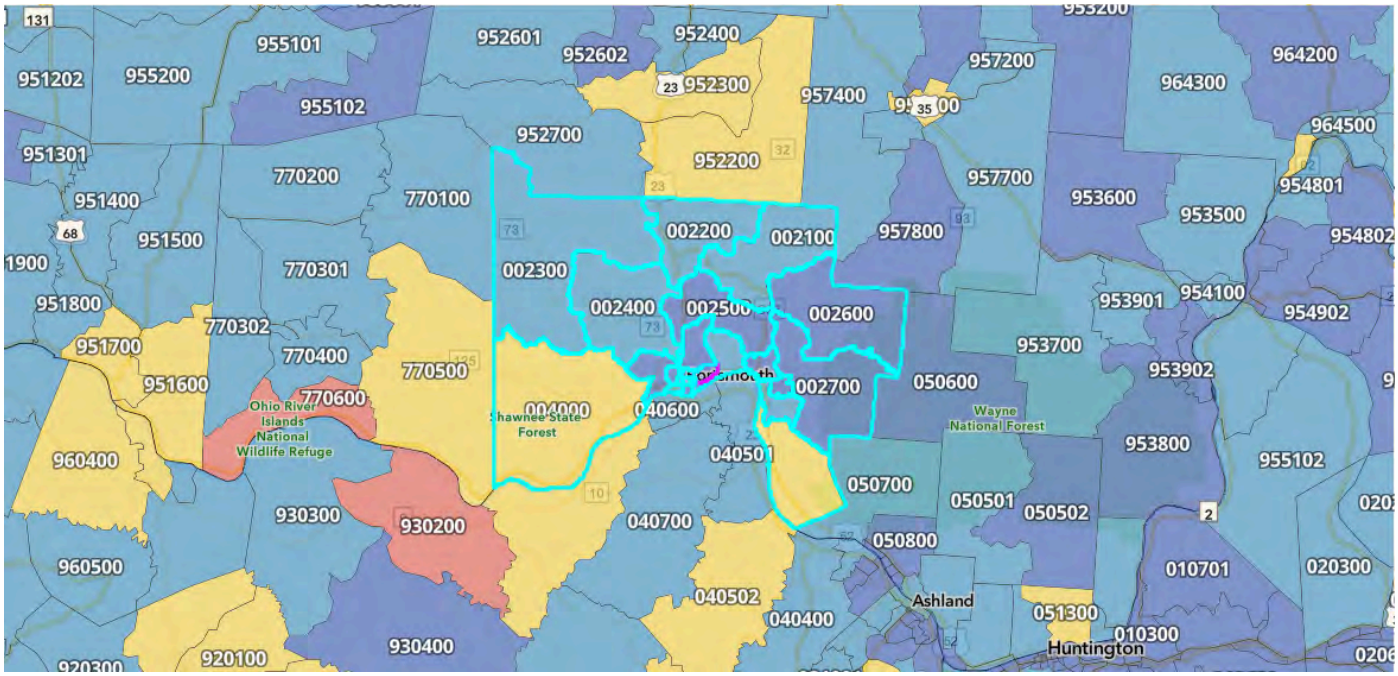
For more information about the National Risk Index, its data, and how to interpret the information it provides, please review the **About the National Risk Index** and **How to Take Action** sections at the end of this report. Or, visit the National Risk Index website at hazards.fema.gov/nri/learn-more to access supporting documentation and links.

Note:

This report includes information about only the 20 highest-risk communities selected. The following community was originally selected but has been excluded from this report:

Census tract 39145003200

Risk Index



Risk Index Legend

Very High | Relatively High | Relatively Moderate | Relatively Low | Very Low

No Rating | Not Applicable | Insufficient Data

Rank	Community	State	Risk Index Rating	Risk Index Score	National Percentile
1	Census tract 39145004000	OH	Relatively Moderate	69.54	0 100
2	Census tract 39145002800	OH	Relatively Moderate	62.7	0 100
3	Census tract 39145003100	OH	Relatively Low	58.1	0 100
4	Census tract 39145003700	OH	Relatively Low	57.92	0 100
5	Census tract 39145002200	OH	Relatively Low	52.85	0 100
6	Census tract 39145002300	OH	Relatively Low	46.48	0 100
7	Census tract 39145002400	OH	Relatively Low	45.3	0 100
8	Census tract 39145002902	OH	Relatively Low	38.2	0 100
9	Census tract 39145003600	OH	Relatively Low	36.22	0 100
10	Census tract 39145002100	OH	Relatively Low	32.76	0 100
11	Census tract 39145003900	OH	Very Low	26.69	0 100
12	Census tract 39145003000	OH	Very Low	24.03	0 100

1 lower-risk community was omitted from this report.

Rank	Community	State	Risk Index Rating	Risk Index Score	National Percentile
13	Census tract 39145003800	OH	Very Low	21.28	0 100
14	Census tract 39145002600	OH	Very Low	18.43	0 100
15	Census tract 39145002500	OH	Very Low	17.96	0 100
16	Census tract 39145003400	OH	Very Low	13.41	0 100
17	Census tract 39145002700	OH	Very Low	13.2	0 100
18	Census tract 39145003500	OH	Very Low	10.15	0 100
19	Census tract 39145002901	OH	Very Low	8.32	0 100
20	Census tract 39145003300	OH	Very Low	6.83	0 100

1 lower-risk community was omitted from this report.

Rank	Community	State	EAL Value	Social Vulnerability	Community Resilience	CRF	Risk Value	Risk Index Score
1	Census tract 39145004000	OH	$804,381	Relatively Moderate	Relatively Low	1.2	$961,833	69.54
2	Census tract 39145002800	OH	$728,696	Relatively Moderate	Relatively Low	1.06	$770,919	62.7
3	Census tract 39145003100	OH	$427,254	Very High	Relatively Low	1.57	$670,409	58.1
4	Census tract 39145003700	OH	$430,892	Very High	Relatively Low	1.55	$666,891	57.92
5	Census tract 39145002200	OH	$452,321	Relatively High	Relatively Low	1.27	$576,153	52.85
6	Census tract 39145002300	OH	$368,781	Relatively High	Relatively Low	1.31	$482,325	46.48
7	Census tract 39145002400	OH	$363,645	Relatively High	Relatively Low	1.28	$466,756	45.3
8	Census tract 39145002902	OH	$373,803	Relatively Low	Relatively Low	1.03	$385,575	38.2
9	Census tract 39145003600	OH	$250,773	Relatively High	Relatively Low	1.46	$365,319	36.22
10	Census tract 39145002100	OH	$244,521	Relatively High	Relatively Low	1.36	$331,470	32.76
11	Census tract 39145003900	OH	$290,617	Relatively Low	Relatively Low	0.95	$277,075	26.69
12	Census tract 39145003000	OH	$242,219	Relatively Low	Relatively Low	1.05	$254,313	24.03
13	Census tract 39145003800	OH	$196,787	Relatively Moderate	Relatively Low	1.18	$232,741	21.28
14	Census tract 39145002600	OH	$200,853	Relatively Low	Relatively Low	1.05	$210,285	18.43
15	Census tract 39145002500	OH	$230,197	Relatively Low	Relatively Low	0.9	$206,259	17.96
16	Census tract 39145003400	OH	$108,900	Very High	Relatively Low	1.56	$169,379	13.41
17	Census tract 39145002700	OH	$176,990	Relatively Low	Relatively Low	0.95	$167,596	13.2
18	Census tract 39145003500	OH	$95,780	Very High	Relatively Low	1.49	$142,266	10.15
19	Census tract 39145002901	OH	$96,504	Relatively High	Relatively Low	1.31	$126,389	8.32

1 lower-risk community was omitted from this report.

Rank	Community	State	EAL Value	Social Vulnerability	Community Resilience	CRF	Risk Value	Risk Index Score
20	Census tract 39145003300	OH	$92,394	Relatively Moderate	Relatively Low	1.23	$113,969	6.83
	1 lower-risk community was omitted from this report.							

Hazard Type Risk Index

Hazard type Risk Index scores are calculated using data for only a single hazard type, and reflect a community's relative risk for only that hazard type.

Avalanche

Rank	Community	State	Risk Index Rating	Risk Index Score	National Percentile
	Census tract 39145002100	OH	Not Applicable		
	Census tract 39145002200	OH	Not Applicable		
	Census tract 39145002300	OH	Not Applicable		
	Census tract 39145002400	OH	Not Applicable		
	Census tract 39145002500	OH	Not Applicable		
	Census tract 39145002600	OH	Not Applicable		
	Census tract 39145002700	OH	Not Applicable		
	Census tract 39145002800	OH	Not Applicable		
	Census tract 39145002901	OH	Not Applicable		
	Census tract 39145002902	OH	Not Applicable		
	Census tract 39145003000	OH	Not Applicable		
	Census tract 39145003100	OH	Not Applicable		
	Census tract 39145003300	OH	Not Applicable		
	Census tract 39145003400	OH	Not Applicable		
	Census tract 39145003500	OH	Not Applicable		
	Census tract 39145003600	OH	Not Applicable		
	Census tract 39145003700	OH	Not Applicable		
	Census tract 39145003800	OH	Not Applicable		
	Census tract 39145003900	OH	Not Applicable		
	Census tract 39145004000	OH	Not Applicable		
	1 lower-risk community was omitted from this report.				

Rank	Community	State	EAL Value	Social Vulnerability	Community Resilience	CRF	Risk Value	Risk Index Score
	Census tract 39145002100	OH	N/A	Relatively High	Relatively Low	1.36	N/A	N/A
	Census tract 39145002200	OH	N/A	Relatively High	Relatively Low	1.27	N/A	N/A
	1 lower-risk community was omitted from this report.							

Rank	Community	State	EAL Value	Social Vulnerability	Community Resilience	CRF	Risk Value	Risk Index Score
	Census tract 39145002300	OH	N/A	Relatively High	Relatively Low	1.31	N/A	N/A
	Census tract 39145002400	OH	N/A	Relatively High	Relatively Low	1.28	N/A	N/A
	Census tract 39145002500	OH	N/A	Relatively Low	Relatively Low	0.9	N/A	N/A
	Census tract 39145002600	OH	N/A	Relatively Low	Relatively Low	1.05	N/A	N/A
	Census tract 39145002700	OH	N/A	Relatively Low	Relatively Low	0.95	N/A	N/A
	Census tract 39145002800	OH	N/A	Relatively Moderate	Relatively Low	1.06	N/A	N/A
	Census tract 39145002901	OH	N/A	Relatively High	Relatively Low	1.31	N/A	N/A
	Census tract 39145002902	OH	N/A	Relatively Low	Relatively Low	1.03	N/A	N/A
	Census tract 39145003000	OH	N/A	Relatively Low	Relatively Low	1.05	N/A	N/A
	Census tract 39145003100	OH	N/A	Very High	Relatively Low	1.57	N/A	N/A
	Census tract 39145003300	OH	N/A	Relatively Moderate	Relatively Low	1.23	N/A	N/A
	Census tract 39145003400	OH	N/A	Very High	Relatively Low	1.56	N/A	N/A
	Census tract 39145003500	OH	N/A	Very High	Relatively Low	1.49	N/A	N/A
	Census tract 39145003600	OH	N/A	Relatively High	Relatively Low	1.46	N/A	N/A
	Census tract 39145003700	OH	N/A	Very High	Relatively Low	1.55	N/A	N/A
	Census tract 39145003800	OH	N/A	Relatively Moderate	Relatively Low	1.18	N/A	N/A
	Census tract 39145003900	OH	N/A	Relatively Low	Relatively Low	0.95	N/A	N/A
	Census tract 39145004000	OH	N/A	Relatively Moderate	Relatively Low	1.2	N/A	N/A
	1 lower-risk community was omitted from this report.							

Coastal Flooding

Rank	Community	State	Risk Index Rating	Risk Index Score	National Percentile
	Census tract 39145002100	OH	Not Applicable		
	Census tract 39145002200	OH	Not Applicable		
	Census tract 39145002300	OH	Not Applicable		
	Census tract 39145002400	OH	Not Applicable		
	Census tract 39145002500	OH	Not Applicable		
	Census tract 39145002600	OH	Not Applicable		
	Census tract 39145002700	OH	Not Applicable		
	Census tract 39145002800	OH	Not Applicable		
	1 lower-risk community was omitted from this report.				

Rank	Community	State	Risk Index Rating	Risk Index Score	National Percentile
	Census tract 39145002901	OH	Not Applicable		
	Census tract 39145002902	OH	Not Applicable		
	Census tract 39145003000	OH	Not Applicable		
	Census tract 39145003100	OH	Not Applicable		
	Census tract 39145003300	OH	Not Applicable		
	Census tract 39145003400	OH	Not Applicable		
	Census tract 39145003500	OH	Not Applicable		
	Census tract 39145003600	OH	Not Applicable		
	Census tract 39145003700	OH	Not Applicable		
	Census tract 39145003800	OH	Not Applicable		
	Census tract 39145003900	OH	Not Applicable		
	Census tract 39145004000	OH	Not Applicable		
	1 lower-risk community was omitted from this report.				

Rank	Community	State	EAL Value	Social Vulnerability	Community Resilience	CRF	Risk Value	Risk Index Score
	Census tract 39145002100	OH	N/A	Relatively High	Relatively Low	1.36	N/A	N/A
	Census tract 39145002200	OH	N/A	Relatively High	Relatively Low	1.27	N/A	N/A
	Census tract 39145002300	OH	N/A	Relatively High	Relatively Low	1.31	N/A	N/A
	Census tract 39145002400	OH	N/A	Relatively High	Relatively Low	1.28	N/A	N/A
	Census tract 39145002500	OH	N/A	Relatively Low	Relatively Low	0.9	N/A	N/A
	Census tract 39145002600	OH	N/A	Relatively Low	Relatively Low	1.05	N/A	N/A
	Census tract 39145002700	OH	N/A	Relatively Low	Relatively Low	0.95	N/A	N/A
	Census tract 39145002800	OH	N/A	Relatively Moderate	Relatively Low	1.06	N/A	N/A
	Census tract 39145002901	OH	N/A	Relatively High	Relatively Low	1.31	N/A	N/A
	Census tract 39145002902	OH	N/A	Relatively Low	Relatively Low	1.03	N/A	N/A
	Census tract 39145003000	OH	N/A	Relatively Low	Relatively Low	1.05	N/A	N/A
	Census tract 39145003100	OH	N/A	Very High	Relatively Low	1.57	N/A	N/A
	Census tract 39145003300	OH	N/A	Relatively Moderate	Relatively Low	1.23	N/A	N/A
	Census tract 39145003400	OH	N/A	Very High	Relatively Low	1.56	N/A	N/A
	Census tract 39145003500	OH	N/A	Very High	Relatively Low	1.49	N/A	N/A
	1 lower-risk community was omitted from this report.							

Rank	Community	State	EAL Value	Social Vulnerability	Community Resilience	CRF	Risk Value	Risk Index Score
	Census tract 39145003600	OH	N/A	Relatively High	Relatively Low	1.46	N/A	N/A
	Census tract 39145003700	OH	N/A	Very High	Relatively Low	1.55	N/A	N/A
	Census tract 39145003800	OH	N/A	Relatively Moderate	Relatively Low	1.18	N/A	N/A
	Census tract 39145003900	OH	N/A	Relatively Low	Relatively Low	0.95	N/A	N/A
	Census tract 39145004000	OH	N/A	Relatively Moderate	Relatively Low	1.2	N/A	N/A
	1 lower-risk community was omitted from this report.							

Cold Wave

Rank	Community	State	Risk Index Rating	Risk Index Score	National Percentile
1	Census tract 39145002100	OH	Relatively Low	47.72	0 100
2	Census tract 39145002200	OH	Relatively Low	47.68	0 100
3	Census tract 39145002400	OH	Relatively Low	47.21	0 100
4	Census tract 39145002300	OH	Relatively Low	46.84	0 100
5	Census tract 39145004000	OH	Relatively Low	46.82	0 100
6	Census tract 39145002800	OH	Relatively Low	46.53	0 100
7	Census tract 39145002600	OH	Relatively Low	45.7	0 100
8	Census tract 39145002700	OH	Relatively Low	45.23	0 100
9	Census tract 39145003800	OH	Relatively Low	44.61	0 100
10	Census tract 39145003600	OH	Relatively Low	44.56	0 100
11	Census tract 39145003100	OH	Relatively Low	44.35	0 100
12	Census tract 39145002500	OH	Relatively Low	44.21	0 100
13	Census tract 39145003400	OH	Very Low	44	0 100
14	Census tract 39145003900	OH	Very Low	44	0 100
15	Census tract 39145003700	OH	Very Low	43.96	0 100
16	Census tract 39145002901	OH	Very Low	43.77	0 100
17	Census tract 39145002902	OH	Very Low	43.55	0 100
18	Census tract 39145003000	OH	Very Low	43.49	0 100
19	Census tract 39145003500	OH	Very Low	43.38	0 100
20	Census tract 39145003300	OH	Very Low	43.21	0 100
	1 lower-risk community was omitted from this report.				

Rank	Community	State	EAL Value	Social Vulnerability	Community Resilience	CRF	Risk Value	Risk Index Score
1	Census tract 39145002100	OH	$485	Relatively High	Relatively Low	1.36	$657	47.72
2	Census tract 39145002200	OH	$512	Relatively High	Relatively Low	1.27	$653	47.68
3	Census tract 39145002400	OH	$466	Relatively High	Relatively Low	1.28	$598	47.21
4	Census tract 39145002300	OH	$424	Relatively High	Relatively Low	1.31	$555	46.84
5	Census tract 39145004000	OH	$462	Relatively Moderate	Relatively Low	1.2	$553	46.82
6	Census tract 39145002800	OH	$493	Relatively Moderate	Relatively Low	1.06	$521	46.53
7	Census tract 39145002600	OH	$415	Relatively Low	Relatively Low	1.05	$434	45.7
8	Census tract 39145002700	OH	$407	Relatively Low	Relatively Low	0.95	$385	45.23
9	Census tract 39145003800	OH	$271	Relatively Moderate	Relatively Low	1.18	$321	44.61
10	Census tract 39145003600	OH	$218	Relatively High	Relatively Low	1.46	$318	44.56
11	Census tract 39145003100	OH	$190	Very High	Relatively Low	1.57	$297	44.35
12	Census tract 39145002500	OH	$316	Relatively Low	Relatively Low	0.9	$283	44.21
13	Census tract 39145003400	OH	$167	Very High	Relatively Low	1.56	$260	44
14	Census tract 39145003900	OH	$272	Relatively Low	Relatively Low	0.95	$260	44
15	Census tract 39145003700	OH	$165	Very High	Relatively Low	1.55	$256	43.96
16	Census tract 39145002901	OH	$175	Relatively High	Relatively Low	1.31	$230	43.77
17	Census tract 39145002902	OH	$193	Relatively Low	Relatively Low	1.03	$199	43.55
18	Census tract 39145003000	OH	$182	Relatively Low	Relatively Low	1.05	$192	43.49
19	Census tract 39145003500	OH	$120	Very High	Relatively Low	1.49	$179	43.38
20	Census tract 39145003300	OH	$126	Relatively Moderate	Relatively Low	1.23	$156	43.21

1 lower-risk community was omitted from this report.

Drought

Rank	Community	State	Risk Index Rating	Risk Index Score	National Percentile
1	Census tract 39145004000	OH	Relatively Low	84.31	0 100
2	Census tract 39145002400	OH	Relatively Low	82.78	0 100
3	Census tract 39145002300	OH	Relatively Low	82.23	0 100
4	Census tract 39145002200	OH	Relatively Low	81.39	0 100
5	Census tract 39145002800	OH	Very Low	80.57	0 100
6	Census tract 39145003900	OH	Very Low	79.11	0 100

1 lower-risk community was omitted from this report.

Rank	Community	State	Risk Index Rating	Risk Index Score	National Percentile
7	Census tract 39145002500	OH	Very Low	78.99	0 100
8	Census tract 39145002600	OH	Very Low	78.79	0 100
9	Census tract 39145002100	OH	Very Low	78.77	0 100
10	Census tract 39145002700	OH	Very Low	78.07	0 100
11	Census tract 39145003800	OH	Very Low	75.14	0 100
12	Census tract 39145002902	OH	Very Low	73.27	0 100
13	Census tract 39145003000	OH	Very Low	72.38	0 100
14	Census tract 39145002901	OH	Very Low	70.89	0 100
	Census tract 39145003100	OH	No Rating	0	0 100
	Census tract 39145003300	OH	No Rating	0	0 100
	Census tract 39145003400	OH	No Rating	0	0 100
	Census tract 39145003500	OH	No Rating	0	0 100
	Census tract 39145003600	OH	No Rating	0	0 100
	Census tract 39145003700	OH	No Rating	0	0 100
	1 lower-risk community was omitted from this report.				

Rank	Community	State	EAL Value	Social Vulnerability	Community Resilience	CRF	Risk Value	Risk Index Score
1	Census tract 39145004000	OH	$946	Relatively Moderate	Relatively Low	1.2	$1,131	84.31
2	Census tract 39145002400	OH	$574	Relatively High	Relatively Low	1.28	$736	82.78
3	Census tract 39145002300	OH	$482	Relatively High	Relatively Low	1.31	$631	82.23
4	Census tract 39145002200	OH	$386	Relatively High	Relatively Low	1.27	$492	81.39
5	Census tract 39145002800	OH	$371	Relatively Moderate	Relatively Low	1.06	$393	80.57
6	Census tract 39145003900	OH	$261	Relatively Low	Relatively Low	0.95	$249	79.11
7	Census tract 39145002500	OH	$268	Relatively Low	Relatively Low	0.9	$240	78.99
8	Census tract 39145002600	OH	$215	Relatively Low	Relatively Low	1.05	$225	78.79
9	Census tract 39145002100	OH	$165	Relatively High	Relatively Low	1.36	$224	78.77
10	Census tract 39145002700	OH	$193	Relatively Low	Relatively Low	0.95	$183	78.07
11	Census tract 39145003800	OH	$55	Relatively Moderate	Relatively Low	1.18	$65	75.14
12	Census tract 39145002902	OH	$28	Relatively Low	Relatively Low	1.03	$29	73.27
13	Census tract 39145003000	OH	$17	Relatively Low	Relatively Low	1.05	$18	72.38
	1 lower-risk community was omitted from this report.							

Rank	Community	State	EAL Value	Social Vulnerability	Community Resilience	CRF	Risk Value	Risk Index Score
14	Census tract 39145002901	OH	$5	Relatively High	Relatively Low	1.31	$7	70.89
	Census tract 39145003100	OH	$0	Very High	Relatively Low	1.57	$0	0
	Census tract 39145003300	OH	$0	Relatively Moderate	Relatively Low	1.23	$0	0
	Census tract 39145003400	OH	$0	Very High	Relatively Low	1.56	$0	0
	Census tract 39145003500	OH	$0	Very High	Relatively Low	1.49	$0	0
	Census tract 39145003600	OH	$0	Relatively High	Relatively Low	1.46	$0	0
	Census tract 39145003700	OH	$0	Very High	Relatively Low	1.55	$0	0
	1 lower-risk community was omitted from this report.							

Earthquake

Rank	Community	State	Risk Index Rating	Risk Index Score	National Percentile
1	Census tract 39145003600	OH	Relatively Low	74.77	0 100
2	Census tract 39145003700	OH	Relatively Low	70.26	0 100
3	Census tract 39145002902	OH	Relatively Low	60.05	0 100
4	Census tract 39145002200	OH	Relatively Low	58.87	0 100
5	Census tract 39145003100	OH	Relatively Low	58.06	0 100
6	Census tract 39145003800	OH	Relatively Low	56.86	0 100
7	Census tract 39145003500	OH	Relatively Low	56.37	0 100
8	Census tract 39145002400	OH	Relatively Low	55.6	0 100
9	Census tract 39145002901	OH	Very Low	53.47	0 100
10	Census tract 39145002600	OH	Very Low	52.19	0 100
11	Census tract 39145003400	OH	Very Low	51.75	0 100
12	Census tract 39145002100	OH	Very Low	50.14	0 100
13	Census tract 39145003000	OH	Very Low	49.65	0 100
14	Census tract 39145002800	OH	Very Low	49.47	0 100
15	Census tract 39145002300	OH	Very Low	49.12	0 100
16	Census tract 39145003300	OH	Very Low	48.45	0 100
17	Census tract 39145002700	OH	Very Low	45.06	0 100
18	Census tract 39145004000	OH	Very Low	42.95	0 100
19	Census tract 39145002500	OH	Very Low	35.77	0 100
	1 lower-risk community was omitted from this report.				

Rank	Community	State	Risk Index Rating	Risk Index Score	National Percentile
20	Census tract 39145003900	OH	Very Low	35.43	0 100

1 lower-risk community was omitted from this report.

Rank	Community	State	EAL Value	Social Vulnerability	Community Resilience	CRF	Risk Value	Risk Index Score
1	Census tract 39145003600	OH	$46,418	Relatively High	Relatively Low	1.46	$67,620	74.77
2	Census tract 39145003700	OH	$27,305	Very High	Relatively Low	1.55	$42,260	70.26
3	Census tract 39145002902	OH	$20,207	Relatively Low	Relatively Low	1.03	$20,843	60.05
4	Census tract 39145002200	OH	$15,327	Relatively High	Relatively Low	1.27	$19,523	58.87
5	Census tract 39145003100	OH	$11,937	Very High	Relatively Low	1.57	$18,731	58.06
6	Census tract 39145003800	OH	$14,852	Relatively Moderate	Relatively Low	1.18	$17,566	56.86
7	Census tract 39145003500	OH	$11,551	Very High	Relatively Low	1.49	$17,157	56.37
8	Census tract 39145002400	OH	$12,865	Relatively High	Relatively Low	1.28	$16,513	55.6
9	Census tract 39145002901	OH	$11,382	Relatively High	Relatively Low	1.31	$14,907	53.47
10	Census tract 39145002600	OH	$13,379	Relatively Low	Relatively Low	1.05	$14,007	52.19
11	Census tract 39145003400	OH	$8,814	Very High	Relatively Low	1.56	$13,709	51.75
12	Census tract 39145002100	OH	$9,357	Relatively High	Relatively Low	1.36	$12,684	50.14
13	Census tract 39145003000	OH	$11,811	Relatively Low	Relatively Low	1.05	$12,401	49.65
14	Census tract 39145002800	OH	$11,637	Relatively Moderate	Relatively Low	1.06	$12,311	49.47
15	Census tract 39145002300	OH	$9,267	Relatively High	Relatively Low	1.31	$12,120	49.12
16	Census tract 39145003300	OH	$9,516	Relatively Moderate	Relatively Low	1.23	$11,738	48.45
17	Census tract 39145002700	OH	$10,609	Relatively Low	Relatively Low	0.95	$10,046	45.06
18	Census tract 39145004000	OH	$7,629	Relatively Moderate	Relatively Low	1.2	$9,122	42.95
19	Census tract 39145002500	OH	$7,267	Relatively Low	Relatively Low	0.9	$6,512	35.77
20	Census tract 39145003900	OH	$6,716	Relatively Low	Relatively Low	0.95	$6,403	35.43

1 lower-risk community was omitted from this report.

Hail

Rank	Community	State	Risk Index Rating	Risk Index Score	National Percentile
1	Census tract 39145003600	OH	Relatively Low	43.72	0 100

1 lower-risk community was omitted from this report.

Rank	Community	State	Risk Index Rating	Risk Index Score	National Percentile
2	Census tract 39145002100	OH	Very Low	42.56	0 100
3	Census tract 39145002200	OH	Very Low	42.04	0 100
4	Census tract 39145002400	OH	Very Low	42.02	0 100
5	Census tract 39145002300	OH	Very Low	40.98	0 100
6	Census tract 39145002800	OH	Very Low	40.35	0 100
7	Census tract 39145003100	OH	Very Low	40.13	0 100
8	Census tract 39145004000	OH	Very Low	39.22	0 100
9	Census tract 39145003700	OH	Very Low	38.8	0 100
10	Census tract 39145003800	OH	Very Low	38.69	0 100
11	Census tract 39145002600	OH	Very Low	38.18	0 100
12	Census tract 39145002700	OH	Very Low	36.16	0 100
13	Census tract 39145003400	OH	Very Low	36.04	0 100
14	Census tract 39145002902	OH	Very Low	35.09	0 100
15	Census tract 39145003500	OH	Very Low	34.02	0 100
16	Census tract 39145002901	OH	Very Low	33.91	0 100
17	Census tract 39145002500	OH	Very Low	32.47	0 100
18	Census tract 39145003300	OH	Very Low	32.35	0 100
19	Census tract 39145003000	OH	Very Low	32.21	0 100
20	Census tract 39145003900	OH	Very Low	32.17	0 100

1 lower-risk community was omitted from this report.

Rank	Community	State	EAL Value	Social Vulnerability	Community Resilience	CRF	Risk Value	Risk Index Score
1	Census tract 39145003600	OH	$826	Relatively High	Relatively Low	1.46	$1,203	43.72
2	Census tract 39145002100	OH	$812	Relatively High	Relatively Low	1.36	$1,100	42.56
3	Census tract 39145002200	OH	$829	Relatively High	Relatively Low	1.27	$1,056	42.04
4	Census tract 39145002400	OH	$822	Relatively High	Relatively Low	1.28	$1,055	42.02
5	Census tract 39145002300	OH	$743	Relatively High	Relatively Low	1.31	$972	40.98
6	Census tract 39145002800	OH	$874	Relatively Moderate	Relatively Low	1.06	$925	40.35
7	Census tract 39145003100	OH	$579	Very High	Relatively Low	1.57	$908	40.13
8	Census tract 39145004000	OH	$703	Relatively Moderate	Relatively Low	1.2	$840	39.22

1 lower-risk community was omitted from this report.

Rank	Community	State	EAL Value	Social Vulnerability	Community Resilience	CRF	Risk Value	Risk Index Score
9	Census tract 39145003700	OH	$523	Very High	Relatively Low	1.55	$810	38.8
10	Census tract 39145003800	OH	$677	Relatively Moderate	Relatively Low	1.18	$801	38.69
11	Census tract 39145002600	OH	$732	Relatively Low	Relatively Low	1.05	$766	38.18
12	Census tract 39145002700	OH	$675	Relatively Low	Relatively Low	0.95	$639	36.16
13	Census tract 39145003400	OH	$406	Very High	Relatively Low	1.56	$632	36.04
14	Census tract 39145002902	OH	$560	Relatively Low	Relatively Low	1.03	$578	35.09
15	Census tract 39145003500	OH	$352	Very High	Relatively Low	1.49	$522	34.02
16	Census tract 39145002901	OH	$395	Relatively High	Relatively Low	1.31	$517	33.91
17	Census tract 39145002500	OH	$505	Relatively Low	Relatively Low	0.9	$452	32.47
18	Census tract 39145003300	OH	$363	Relatively Moderate	Relatively Low	1.23	$448	32.35
19	Census tract 39145003000	OH	$421	Relatively Low	Relatively Low	1.05	$442	32.21
20	Census tract 39145003900	OH	$463	Relatively Low	Relatively Low	0.95	$441	32.17

1 lower-risk community was omitted from this report.

Heat Wave

Rank	Community	State	Risk Index Rating	Risk Index Score	National Percentile
1	Census tract 39145002400	OH	Relatively Moderate	70.61	0 100
2	Census tract 39145002100	OH	Relatively Moderate	69.97	0 100
3	Census tract 39145002300	OH	Relatively Moderate	69.09	0 100
4	Census tract 39145002200	OH	Relatively Moderate	67.49	0 100
5	Census tract 39145003400	OH	Relatively Moderate	66.45	0 100
6	Census tract 39145003800	OH	Relatively Moderate	65.48	0 100
7	Census tract 39145004000	OH	Relatively Moderate	63.97	0 100
8	Census tract 39145002901	OH	Relatively Moderate	63.75	0 100
9	Census tract 39145003100	OH	Relatively Moderate	63.68	0 100
10	Census tract 39145002800	OH	Relatively Moderate	63.47	0 100
11	Census tract 39145002700	OH	Relatively Moderate	62.94	0 100
12	Census tract 39145002600	OH	Relatively Moderate	60.12	0 100
13	Census tract 39145003700	OH	Relatively Moderate	59.73	0 100
14	Census tract 39145003000	OH	Relatively Moderate	58.16	0 100

1 lower-risk community was omitted from this report.

Rank	Community	State	Risk Index Rating	Risk Index Score	National Percentile
15	Census tract 39145003600	OH	Relatively Moderate	56.84	0 100
16	Census tract 39145003500	OH	Relatively Moderate	54.72	0 100
17	Census tract 39145003900	OH	Relatively Moderate	53.22	0 100
18	Census tract 39145003300	OH	Relatively Moderate	52.54	0 100
19	Census tract 39145002902	OH	Relatively Moderate	51.63	0 100
20	Census tract 39145002500	OH	Relatively Moderate	51.11	0 100

1 lower-risk community was omitted from this report.

Rank	Community	State	EAL Value	Social Vulnerability	Community Resilience	CRF	Risk Value	Risk Index Score
1	Census tract 39145002400	OH	$20,072	Relatively High	Relatively Low	1.28	$25,763	70.61
2	Census tract 39145002100	OH	$18,394	Relatively High	Relatively Low	1.36	$24,935	69.97
3	Census tract 39145002300	OH	$18,237	Relatively High	Relatively Low	1.31	$23,852	69.09
4	Census tract 39145002200	OH	$17,305	Relatively High	Relatively Low	1.27	$22,042	67.49
5	Census tract 39145003400	OH	$13,464	Very High	Relatively Low	1.56	$20,941	66.45
6	Census tract 39145003800	OH	$16,868	Relatively Moderate	Relatively Low	1.18	$19,950	65.48
7	Census tract 39145004000	OH	$15,524	Relatively Moderate	Relatively Low	1.2	$18,562	63.97
8	Census tract 39145002901	OH	$14,027	Relatively High	Relatively Low	1.31	$18,371	63.75
9	Census tract 39145003100	OH	$11,666	Very High	Relatively Low	1.57	$18,305	63.68
10	Census tract 39145002800	OH	$17,113	Relatively Moderate	Relatively Low	1.06	$18,104	63.47
11	Census tract 39145002700	OH	$18,692	Relatively Low	Relatively Low	0.95	$17,700	62.94
12	Census tract 39145002600	OH	$14,723	Relatively Low	Relatively Low	1.05	$15,415	60.12
13	Census tract 39145003700	OH	$9,773	Very High	Relatively Low	1.55	$15,125	59.73
14	Census tract 39145003000	OH	$13,382	Relatively Low	Relatively Low	1.05	$14,050	58.16
15	Census tract 39145003600	OH	$9,038	Relatively High	Relatively Low	1.46	$13,166	56.84
16	Census tract 39145003500	OH	$7,971	Very High	Relatively Low	1.49	$11,840	54.72
17	Census tract 39145003900	OH	$11,494	Relatively Low	Relatively Low	0.95	$10,959	53.22
18	Census tract 39145003300	OH	$8,566	Relatively Moderate	Relatively Low	1.23	$10,567	52.54
19	Census tract 39145002902	OH	$9,743	Relatively Low	Relatively Low	1.03	$10,050	51.63
20	Census tract 39145002500	OH	$10,910	Relatively Low	Relatively Low	0.9	$9,776	51.11

1 lower-risk community was omitted from this report.

Hurricane

Rank	Community	State	Risk Index Rating	Risk Index Score	National Percentile
1	Census tract 39145003600	OH	Very Low	43.18	0 100
2	Census tract 39145002800	OH	Very Low	41.23	0 100
3	Census tract 39145003100	OH	Very Low	39.32	0 100
4	Census tract 39145002902	OH	Very Low	38.84	0 100
5	Census tract 39145003700	OH	Very Low	38.43	0 100
6	Census tract 39145002600	OH	Very Low	38.09	0 100
7	Census tract 39145002100	OH	Very Low	37.89	0 100
8	Census tract 39145002400	OH	Very Low	37.24	0 100
9	Census tract 39145003800	OH	Very Low	36.97	0 100
10	Census tract 39145002200	OH	Very Low	36.58	0 100
11	Census tract 39145002300	OH	Very Low	36.28	0 100
12	Census tract 39145002700	OH	Very Low	35.57	0 100
13	Census tract 39145002901	OH	Very Low	35.53	0 100
14	Census tract 39145004000	OH	Very Low	35.19	0 100
15	Census tract 39145003400	OH	Very Low	34.08	0 100
16	Census tract 39145003500	OH	Very Low	33.66	0 100
17	Census tract 39145003300	OH	Very Low	32.06	0 100
18	Census tract 39145003000	OH	Very Low	32.02	0 100
19	Census tract 39145002500	OH	Very Low	28.4	0 100
20	Census tract 39145003900	OH	Very Low	28.28	0 100

1 lower-risk community was omitted from this report.

Rank	Community	State	EAL Value	Social Vulnerability	Community Resilience	CRF	Risk Value	Risk Index Score
1	Census tract 39145003600	OH	$10,405	Relatively High	Relatively Low	1.46	$15,158	43.18
2	Census tract 39145002800	OH	$11,765	Relatively Moderate	Relatively Low	1.06	$12,447	41.23
3	Census tract 39145003100	OH	$6,513	Very High	Relatively Low	1.57	$10,219	39.32
4	Census tract 39145002902	OH	$9,423	Relatively Low	Relatively Low	1.03	$9,720	38.84
5	Census tract 39145003700	OH	$6,017	Very High	Relatively Low	1.55	$9,312	38.43

1 lower-risk community was omitted from this report.

Rank	Community	State	EAL Value	Social Vulnerability	Community Resilience	CRF	Risk Value	Risk Index Score
6	Census tract 39145002600	OH	$8,592	Relatively Low	Relatively Low	1.05	$8,995	38.09
7	Census tract 39145002100	OH	$6,502	Relatively High	Relatively Low	1.36	$8,814	37.89
8	Census tract 39145002400	OH	$6,425	Relatively High	Relatively Low	1.28	$8,247	37.24
9	Census tract 39145003800	OH	$6,785	Relatively Moderate	Relatively Low	1.18	$8,025	36.97
10	Census tract 39145002200	OH	$6,072	Relatively High	Relatively Low	1.27	$7,735	36.58
11	Census tract 39145002300	OH	$5,746	Relatively High	Relatively Low	1.31	$7,515	36.28
12	Census tract 39145002700	OH	$7,386	Relatively Low	Relatively Low	0.95	$6,994	35.57
13	Census tract 39145002901	OH	$5,323	Relatively High	Relatively Low	1.31	$6,972	35.53
14	Census tract 39145004000	OH	$5,601	Relatively Moderate	Relatively Low	1.2	$6,698	35.19
15	Census tract 39145003400	OH	$3,834	Very High	Relatively Low	1.56	$5,963	34.08
16	Census tract 39145003500	OH	$3,843	Very High	Relatively Low	1.49	$5,709	33.66
17	Census tract 39145003300	OH	$3,917	Relatively Moderate	Relatively Low	1.23	$4,832	32.06
18	Census tract 39145003000	OH	$4,580	Relatively Low	Relatively Low	1.05	$4,809	32.02
19	Census tract 39145002500	OH	$3,709	Relatively Low	Relatively Low	0.9	$3,323	28.4
20	Census tract 39145003900	OH	$3,437	Relatively Low	Relatively Low	0.95	$3,277	28.28

1 lower-risk community was omitted from this report.

Ice Storm

Rank	Community	State	Risk Index Rating	Risk Index Score	National Percentile
1	Census tract 39145003600	OH	Relatively Moderate	82.1	0 100
2	Census tract 39145003100	OH	Relatively Moderate	77.39	0 100
3	Census tract 39145003700	OH	Relatively Moderate	75.85	0 100
4	Census tract 39145002400	OH	Relatively Moderate	74.92	0 100
5	Census tract 39145002100	OH	Relatively Moderate	74.4	0 100
6	Census tract 39145003800	OH	Relatively Moderate	74.36	0 100
7	Census tract 39145002300	OH	Relatively Moderate	73.5	0 100
8	Census tract 39145002200	OH	Relatively Moderate	73.31	0 100
9	Census tract 39145002800	OH	Relatively Moderate	71.6	0 100
10	Census tract 39145003400	OH	Relatively Moderate	70.56	0 100
11	Census tract 39145003500	OH	Relatively Low	68.09	0 100

1 lower-risk community was omitted from this report.

Rank	Community	State	Risk Index Rating	Risk Index Score	National Percentile
12	Census tract 39145004000	OH	Relatively Low	67.94	0 100
13	Census tract 39145002902	OH	Relatively Low	67.07	0 100
14	Census tract 39145002600	OH	Relatively Low	66.96	0 100
15	Census tract 39145003300	OH	Relatively Low	65	0 100
16	Census tract 39145002901	OH	Relatively Low	63.43	0 100
17	Census tract 39145002700	OH	Relatively Low	62.44	0 100
18	Census tract 39145003000	OH	Relatively Low	62.19	0 100
19	Census tract 39145003900	OH	Relatively Low	57.51	0 100
20	Census tract 39145002500	OH	Relatively Low	56.12	0 100

1 lower-risk community was omitted from this report.

Rank	Community	State	EAL Value	Social Vulnerability	Community Resilience	CRF	Risk Value	Risk Index Score
1	Census tract 39145003600	OH	$9,965	Relatively High	Relatively Low	1.46	$14,517	82.1
2	Census tract 39145003100	OH	$6,649	Very High	Relatively Low	1.57	$10,433	77.39
3	Census tract 39145003700	OH	$6,076	Very High	Relatively Low	1.55	$9,403	75.85
4	Census tract 39145002400	OH	$6,875	Relatively High	Relatively Low	1.28	$8,825	74.92
5	Census tract 39145002100	OH	$6,308	Relatively High	Relatively Low	1.36	$8,551	74.4
6	Census tract 39145003800	OH	$7,206	Relatively Moderate	Relatively Low	1.18	$8,522	74.36
7	Census tract 39145002300	OH	$6,173	Relatively High	Relatively Low	1.31	$8,073	73.5
8	Census tract 39145002200	OH	$6,267	Relatively High	Relatively Low	1.27	$7,983	73.31
9	Census tract 39145002800	OH	$6,791	Relatively Moderate	Relatively Low	1.06	$7,185	71.6
10	Census tract 39145003400	OH	$4,370	Very High	Relatively Low	1.56	$6,797	70.56
11	Census tract 39145003500	OH	$4,000	Very High	Relatively Low	1.49	$5,942	68.09
12	Census tract 39145004000	OH	$4,931	Relatively Moderate	Relatively Low	1.2	$5,897	67.94
13	Census tract 39145002902	OH	$5,459	Relatively Low	Relatively Low	1.03	$5,631	67.07
14	Census tract 39145002600	OH	$5,344	Relatively Low	Relatively Low	1.05	$5,595	66.96
15	Census tract 39145003300	OH	$4,107	Relatively Moderate	Relatively Low	1.23	$5,066	65
16	Census tract 39145002901	OH	$3,568	Relatively High	Relatively Low	1.31	$4,673	63.43
17	Census tract 39145002700	OH	$4,703	Relatively Low	Relatively Low	0.95	$4,453	62.44
18	Census tract 39145003000	OH	$4,189	Relatively Low	Relatively Low	1.05	$4,398	62.19

1 lower-risk community was omitted from this report.

Rank	Community	State	EAL Value	Social Vulnerability	Community Resilience	CRF	Risk Value	Risk Index Score
19	Census tract 39145003900	OH	$3,738	Relatively Low	Relatively Low	0.95	$3,564	57.51
20	Census tract 39145002500	OH	$3,743	Relatively Low	Relatively Low	0.9	$3,353	56.12
	1 lower-risk community was omitted from this report.							

Landslide

Rank	Community	State	Risk Index Rating	Risk Index Score	National Percentile
1	Census tract 39145004000	OH	Very High	99.36	0 100
2	Census tract 39145003100	OH	Relatively High	97.83	0 100
3	Census tract 39145003600	OH	Relatively High	97.52	0 100
4	Census tract 39145002100	OH	Relatively High	96.59	0 100
5	Census tract 39145002400	OH	Relatively High	95.98	0 100
6	Census tract 39145002200	OH	Relatively High	95.6	0 100
7	Census tract 39145003800	OH	Relatively High	95.27	0 100
8	Census tract 39145002600	OH	Relatively High	95.21	0 100
9	Census tract 39145002300	OH	Relatively High	94.57	0 100
10	Census tract 39145002902	OH	Relatively High	94.23	0 100
11	Census tract 39145002901	OH	Relatively High	93.78	0 100
12	Census tract 39145003000	OH	Relatively Moderate	93.1	0 100
13	Census tract 39145002700	OH	Relatively Moderate	91.45	0 100
14	Census tract 39145003900	OH	Relatively Moderate	90.05	0 100
15	Census tract 39145002500	OH	Relatively Moderate	89.99	0 100
16	Census tract 39145002800	OH	Relatively Moderate	88.36	0 100
17	Census tract 39145003300	OH	Relatively Moderate	84.46	0 100
18	Census tract 39145003400	OH	Relatively Moderate	81.48	0 100
19	Census tract 39145003500	OH	Relatively Low	68.25	0 100
	Census tract 39145003700	OH	No Rating	0	0 100
	1 lower-risk community was omitted from this report.				

Rank	Community	State	EAL Value	Social Vulnerability	Community Resilience	CRF	Risk Value	Risk Index Score
1	Census tract 39145004000	OH	$52,194	Relatively Moderate	Relatively Low	1.2	$62,411	99.36
2	Census tract 39145003100	OH	$10,234	Very High	Relatively Low	1.57	$16,058	97.83
3	Census tract 39145003600	OH	$9,968	Relatively High	Relatively Low	1.46	$14,521	97.52
4	Census tract 39145002100	OH	$8,430	Relatively High	Relatively Low	1.36	$11,428	96.59
5	Census tract 39145002400	OH	$7,894	Relatively High	Relatively Low	1.28	$10,133	95.98
6	Census tract 39145002200	OH	$7,437	Relatively High	Relatively Low	1.27	$9,473	95.6
7	Census tract 39145003800	OH	$7,629	Relatively Moderate	Relatively Low	1.18	$9,022	95.27
8	Census tract 39145002600	OH	$8,538	Relatively Low	Relatively Low	1.05	$8,939	95.21
9	Census tract 39145002300	OH	$6,230	Relatively High	Relatively Low	1.31	$8,149	94.57
10	Census tract 39145002902	OH	$7,500	Relatively Low	Relatively Low	1.03	$7,736	94.23
11	Census tract 39145002901	OH	$5,565	Relatively High	Relatively Low	1.31	$7,289	93.78
12	Census tract 39145003000	OH	$6,411	Relatively Low	Relatively Low	1.05	$6,731	93.1
13	Census tract 39145002700	OH	$6,070	Relatively Low	Relatively Low	0.95	$5,748	91.45
14	Census tract 39145003900	OH	$5,320	Relatively Low	Relatively Low	0.95	$5,072	90.05
15	Census tract 39145002500	OH	$5,632	Relatively Low	Relatively Low	0.9	$5,047	89.99
16	Census tract 39145002800	OH	$4,194	Relatively Moderate	Relatively Low	1.06	$4,437	88.36
17	Census tract 39145003300	OH	$2,718	Relatively Moderate	Relatively Low	1.23	$3,353	84.46
18	Census tract 39145003400	OH	$1,776	Very High	Relatively Low	1.56	$2,762	81.48
19	Census tract 39145003500	OH	$841	Very High	Relatively Low	1.49	$1,250	68.25
	Census tract 39145003700	OH	$0	Very High	Relatively Low	1.55	$0	0
	1 lower-risk community was omitted from this report.							

Lightning

Rank	Community	State	Risk Index Rating	Risk Index Score	National Percentile
1	Census tract 39145002100	OH	Relatively High	84.49	0 100
2	Census tract 39145002400	OH	Relatively High	84.08	0 100
3	Census tract 39145002300	OH	Relatively High	83.45	0 100
4	Census tract 39145003400	OH	Relatively High	80.79	0 100
5	Census tract 39145002200	OH	Relatively High	80.62	0 100
6	Census tract 39145004000	OH	Relatively High	79.09	0 100
	1 lower-risk community was omitted from this report.				

Rank	Community	State	Risk Index Rating	Risk Index Score	National Percentile
7	Census tract 39145003800	OH	Relatively High	77.91	0 100
8	Census tract 39145003100	OH	Relatively High	77.77	0 100
9	Census tract 39145002901	OH	Relatively High	77.42	0 100
10	Census tract 39145002800	OH	Relatively High	77.32	0 100
11	Census tract 39145002700	OH	Relatively High	76.34	0 100
12	Census tract 39145003700	OH	Relatively Moderate	72.64	0 100
13	Census tract 39145003600	OH	Relatively Moderate	72.2	0 100
14	Census tract 39145002600	OH	Relatively Moderate	72	0 100
15	Census tract 39145003000	OH	Relatively Moderate	69.1	0 100
16	Census tract 39145003500	OH	Relatively Moderate	67.09	0 100
17	Census tract 39145003900	OH	Relatively Moderate	61.53	0 100
18	Census tract 39145002902	OH	Relatively Moderate	60.54	0 100
19	Census tract 39145003300	OH	Relatively Moderate	60.14	0 100
20	Census tract 39145002500	OH	Relatively Moderate	58.43	0 100

1 lower-risk community was omitted from this report.

Rank	Community	State	EAL Value	Social Vulnerability	Community Resilience	CRF	Risk Value	Risk Index Score
1	Census tract 39145002100	OH	$15,548	Relatively High	Relatively Low	1.36	$21,077	84.49
2	Census tract 39145002400	OH	$16,146	Relatively High	Relatively Low	1.28	$20,724	84.08
3	Census tract 39145002300	OH	$15,419	Relatively High	Relatively Low	1.31	$20,166	83.45
4	Census tract 39145003400	OH	$11,598	Very High	Relatively Low	1.56	$18,039	80.79
5	Census tract 39145002200	OH	$14,063	Relatively High	Relatively Low	1.27	$17,913	80.62
6	Census tract 39145004000	OH	$14,097	Relatively Moderate	Relatively Low	1.2	$16,856	79.09
7	Census tract 39145003800	OH	$13,587	Relatively Moderate	Relatively Low	1.18	$16,069	77.91
8	Census tract 39145003100	OH	$10,177	Very High	Relatively Low	1.57	$15,969	77.77
9	Census tract 39145002901	OH	$12,021	Relatively High	Relatively Low	1.31	$15,743	77.42
10	Census tract 39145002800	OH	$14,826	Relatively Moderate	Relatively Low	1.06	$15,685	77.32
11	Census tract 39145002700	OH	$15,964	Relatively Low	Relatively Low	0.95	$15,117	76.34
12	Census tract 39145003700	OH	$8,502	Very High	Relatively Low	1.55	$13,158	72.64
13	Census tract 39145003600	OH	$8,882	Relatively High	Relatively Low	1.46	$12,939	72.2

1 lower-risk community was omitted from this report.

Rank	Community	State	EAL Value	Social Vulnerability	Community Resilience	CRF	Risk Value	Risk Index Score
14	Census tract 39145002600	OH	$12,257	Relatively Low	Relatively Low	1.05	$12,832	72
15	Census tract 39145003000	OH	$11,080	Relatively Low	Relatively Low	1.05	$11,633	69.1
16	Census tract 39145003500	OH	$7,306	Very High	Relatively Low	1.49	$10,852	67.09
17	Census tract 39145003900	OH	$9,423	Relatively Low	Relatively Low	0.95	$8,984	61.53
18	Census tract 39145002902	OH	$8,419	Relatively Low	Relatively Low	1.03	$8,684	60.54
19	Census tract 39145003300	OH	$6,951	Relatively Moderate	Relatively Low	1.23	$8,575	60.14
20	Census tract 39145002500	OH	$9,033	Relatively Low	Relatively Low	0.9	$8,094	58.43

1 lower-risk community was omitted from this report.

Riverine Flooding

Rank	Community	State	Risk Index Rating	Risk Index Score	National Percentile
1	Census tract 39145004000	OH	Relatively High	97.75	0 100
2	Census tract 39145002800	OH	Relatively High	97.26	0 100
3	Census tract 39145003700	OH	Relatively High	96.07	0 100
4	Census tract 39145003100	OH	Relatively High	95.96	0 100
5	Census tract 39145002200	OH	Relatively High	95.21	0 100
6	Census tract 39145002300	OH	Relatively High	93.68	0 100
7	Census tract 39145002902	OH	Relatively High	93.23	0 100
8	Census tract 39145002400	OH	Relatively High	92.69	0 100
9	Census tract 39145003900	OH	Relatively Moderate	90.77	0 100
10	Census tract 39145003000	OH	Relatively Moderate	88.16	0 100
11	Census tract 39145002500	OH	Relatively Moderate	86.78	0 100
12	Census tract 39145002100	OH	Relatively Moderate	85.77	0 100
13	Census tract 39145002600	OH	Relatively Moderate	81.83	0 100
14	Census tract 39145003600	OH	Relatively Moderate	75.54	0 100
15	Census tract 39145002700	OH	Relatively Moderate	75.1	0 100
16	Census tract 39145003800	OH	Relatively Low	68.54	0 100
17	Census tract 39145003500	OH	Relatively Low	51.41	0 100
18	Census tract 39145002901	OH	Very Low	33.68	0 100
	Census tract 39145003300	OH	No Rating	0	0 100

1 lower-risk community was omitted from this report.

Rank	Community	State	Risk Index Rating	Risk Index Score	National Percentile
	Census tract 39145003400	OH	No Rating	0	0 100
	1 lower-risk community was omitted from this report.				

Rank	Community	State	EAL Value	Social Vulnerability	Community Resilience	CRF	Risk Value	Risk Index Score
1	Census tract 39145004000	OH	$626,304	Relatively Moderate	Relatively Low	1.2	$748,898	97.75
2	Census tract 39145002800	OH	$585,504	Relatively Moderate	Relatively Low	1.06	$619,429	97.26
3	Census tract 39145003700	OH	$292,671	Very High	Relatively Low	1.55	$452,967	96.07
4	Census tract 39145003100	OH	$280,847	Very High	Relatively Low	1.57	$440,680	95.96
5	Census tract 39145002200	OH	$292,765	Relatively High	Relatively Low	1.27	$372,916	95.21
6	Census tract 39145002300	OH	$214,478	Relatively High	Relatively Low	1.31	$280,514	93.68
7	Census tract 39145002902	OH	$254,146	Relatively Low	Relatively Low	1.03	$262,150	93.23
8	Census tract 39145002400	OH	$187,661	Relatively High	Relatively Low	1.28	$240,873	92.69
9	Census tract 39145003900	OH	$194,292	Relatively Low	Relatively Low	0.95	$185,238	90.77
10	Census tract 39145003000	OH	$131,757	Relatively Low	Relatively Low	1.05	$138,335	88.16
11	Census tract 39145002500	OH	$133,237	Relatively Low	Relatively Low	0.9	$119,382	86.78
12	Census tract 39145002100	OH	$79,612	Relatively High	Relatively Low	1.36	$107,921	85.77
13	Census tract 39145002600	OH	$72,001	Relatively Low	Relatively Low	1.05	$75,382	81.83
14	Census tract 39145003600	OH	$31,711	Relatively High	Relatively Low	1.46	$46,196	75.54
15	Census tract 39145002700	OH	$47,319	Relatively Low	Relatively Low	0.95	$44,808	75.1
16	Census tract 39145003800	OH	$23,817	Relatively Moderate	Relatively Low	1.18	$28,169	68.54
17	Census tract 39145003500	OH	$5,535	Very High	Relatively Low	1.49	$8,222	51.41
18	Census tract 39145002901	OH	$843	Relatively High	Relatively Low	1.31	$1,103	33.68
	Census tract 39145003300	OH	$0	Relatively Moderate	Relatively Low	1.23	$0	0
	Census tract 39145003400	OH	$0	Very High	Relatively Low	1.56	$0	0
	1 lower-risk community was omitted from this report.							

Strong Wind

Rank	Community	State	Risk Index Rating	Risk Index Score	National Percentile
1	Census tract 39145003600	OH	Relatively High	85.53	0 100
	1 lower-risk community was omitted from this report.				

Rank	Community	State	Risk Index Rating	Risk Index Score	National Percentile
2	Census tract 39145003100	OH	Relatively Moderate	80.71	0 100
3	Census tract 39145002400	OH	Relatively Moderate	78.75	0 100
4	Census tract 39145003700	OH	Relatively Moderate	78.46	0 100
5	Census tract 39145002100	OH	Relatively Moderate	77.56	0 100
6	Census tract 39145003800	OH	Relatively Moderate	77.28	0 100
7	Census tract 39145002300	OH	Relatively Moderate	76.87	0 100
8	Census tract 39145002200	OH	Relatively Moderate	76.43	0 100
9	Census tract 39145002800	OH	Relatively Moderate	74.6	0 100
10	Census tract 39145003400	OH	Relatively Moderate	73.24	0 100
11	Census tract 39145004000	OH	Relatively Moderate	72.91	0 100
12	Census tract 39145003500	OH	Relatively Moderate	68.76	0 100
13	Census tract 39145003300	OH	Relatively Moderate	65.28	0 100
14	Census tract 39145002600	OH	Relatively Moderate	64.33	0 100
15	Census tract 39145002902	OH	Relatively Moderate	62.91	0 100
16	Census tract 39145003000	OH	Relatively Moderate	61.83	0 100
17	Census tract 39145002901	OH	Relatively Moderate	60.81	0 100
18	Census tract 39145002700	OH	Relatively Moderate	59.8	0 100
19	Census tract 39145003900	OH	Relatively Moderate	58.5	0 100
20	Census tract 39145002500	OH	Relatively Moderate	56.78	0 100

1 lower-risk community was omitted from this report.

Rank	Community	State	EAL Value	Social Vulnerability	Community Resilience	CRF	Risk Value	Risk Index Score
1	Census tract 39145003600	OH	$37,555	Relatively High	Relatively Low	1.46	$54,708	85.53
2	Census tract 39145003100	OH	$26,397	Very High	Relatively Low	1.57	$41,420	80.71
3	Census tract 39145002400	OH	$29,220	Relatively High	Relatively Low	1.28	$37,505	78.75
4	Census tract 39145003700	OH	$23,910	Very High	Relatively Low	1.55	$37,005	78.46
5	Census tract 39145002100	OH	$26,160	Relatively High	Relatively Low	1.36	$35,463	77.56
6	Census tract 39145003800	OH	$29,615	Relatively Moderate	Relatively Low	1.18	$35,025	77.28
7	Census tract 39145002300	OH	$26,285	Relatively High	Relatively Low	1.31	$34,378	76.87
8	Census tract 39145002200	OH	$26,409	Relatively High	Relatively Low	1.27	$33,640	76.43

1 lower-risk community was omitted from this report.

Rank	Community	State	EAL Value	Social Vulnerability	Community Resilience	CRF	Risk Value	Risk Index Score
9	Census tract 39145002800	OH	$29,172	Relatively Moderate	Relatively Low	1.06	$30,862	74.6
10	Census tract 39145003400	OH	$18,726	Very High	Relatively Low	1.56	$29,126	73.24
11	Census tract 39145004000	OH	$24,004	Relatively Moderate	Relatively Low	1.2	$28,702	72.91
12	Census tract 39145003500	OH	$16,107	Very High	Relatively Low	1.49	$23,924	68.76
13	Census tract 39145003300	OH	$16,629	Relatively Moderate	Relatively Low	1.23	$20,512	65.28
14	Census tract 39145002600	OH	$18,772	Relatively Low	Relatively Low	1.05	$19,654	64.33
15	Census tract 39145002902	OH	$17,909	Relatively Low	Relatively Low	1.03	$18,473	62.91
16	Census tract 39145003000	OH	$16,867	Relatively Low	Relatively Low	1.05	$17,709	61.83
17	Census tract 39145002901	OH	$12,945	Relatively High	Relatively Low	1.31	$16,954	60.81
18	Census tract 39145002700	OH	$17,111	Relatively Low	Relatively Low	0.95	$16,203	59.8
19	Census tract 39145003900	OH	$16,027	Relatively Low	Relatively Low	0.95	$15,280	58.5
20	Census tract 39145002500	OH	$15,764	Relatively Low	Relatively Low	0.9	$14,125	56.78
	1 lower-risk community was omitted from this report.							

Tornado

Rank	Community	State	Risk Index Rating	Risk Index Score	National Percentile
1	Census tract 39145003600	OH	Relatively Moderate	60.8	0 100
2	Census tract 39145003100	OH	Relatively Moderate	56.09	0 100
3	Census tract 39145002400	OH	Relatively Moderate	54.87	0 100
4	Census tract 39145003700	OH	Relatively Low	53.85	0 100
5	Census tract 39145002100	OH	Relatively Low	53.46	0 100
6	Census tract 39145003800	OH	Relatively Low	53.28	0 100
7	Census tract 39145002300	OH	Relatively Low	53.25	0 100
8	Census tract 39145002200	OH	Relatively Low	52.76	0 100
9	Census tract 39145003400	OH	Relatively Low	50.2	0 100
10	Census tract 39145004000	OH	Relatively Low	46.6	0 100
11	Census tract 39145003500	OH	Relatively Low	45.72	0 100
12	Census tract 39145003300	OH	Relatively Low	43.03	0 100
13	Census tract 39145003000	OH	Relatively Low	40.2	0 100
14	Census tract 39145002600	OH	Relatively Low	40.1	0 100
	1 lower-risk community was omitted from this report.				

Rank	Community	State	Risk Index Rating	Risk Index Score	National Percentile
15	Census tract 39145003900	OH	Relatively Low	38.57	0 100
16	Census tract 39145002902	OH	Relatively Low	38.48	0 100
17	Census tract 39145002800	OH	Relatively Low	38.35	0 100
18	Census tract 39145002901	OH	Relatively Low	37.88	0 100
19	Census tract 39145002700	OH	Relatively Low	37.18	0 100
20	Census tract 39145002500	OH	Relatively Low	37.17	0 100

1 lower-risk community was omitted from this report.

Rank	Community	State	EAL Value	Social Vulnerability	Community Resilience	CRF	Risk Value	Risk Index Score
1	Census tract 39145003600	OH	$71,298	Relatively High	Relatively Low	1.46	$103,864	60.8
2	Census tract 39145003100	OH	$51,733	Very High	Relatively Low	1.57	$81,175	56.09
3	Census tract 39145002400	OH	$59,339	Relatively High	Relatively Low	1.28	$76,165	54.87
4	Census tract 39145003700	OH	$46,617	Very High	Relatively Low	1.55	$72,149	53.85
5	Census tract 39145002100	OH	$52,111	Relatively High	Relatively Low	1.36	$70,641	53.46
6	Census tract 39145003800	OH	$59,169	Relatively Moderate	Relatively Low	1.18	$69,980	53.28
7	Census tract 39145002300	OH	$53,432	Relatively High	Relatively Low	1.31	$69,884	53.25
8	Census tract 39145002200	OH	$53,309	Relatively High	Relatively Low	1.27	$67,903	52.76
9	Census tract 39145003400	OH	$38,279	Very High	Relatively Low	1.56	$59,538	50.2
10	Census tract 39145004000	OH	$41,408	Relatively Moderate	Relatively Low	1.2	$49,514	46.6
11	Census tract 39145003500	OH	$31,826	Very High	Relatively Low	1.49	$47,273	45.72
12	Census tract 39145003300	OH	$32,960	Relatively Moderate	Relatively Low	1.23	$40,657	43.03
13	Census tract 39145003000	OH	$32,841	Relatively Low	Relatively Low	1.05	$34,481	40.2
14	Census tract 39145002600	OH	$32,721	Relatively Low	Relatively Low	1.05	$34,258	40.1
15	Census tract 39145003900	OH	$32,676	Relatively Low	Relatively Low	0.95	$31,153	38.57
16	Census tract 39145002902	OH	$30,038	Relatively Low	Relatively Low	1.03	$30,984	38.48
17	Census tract 39145002800	OH	$29,062	Relatively Moderate	Relatively Low	1.06	$30,746	38.35
18	Census tract 39145002901	OH	$22,802	Relatively High	Relatively Low	1.31	$29,863	37.88
19	Census tract 39145002700	OH	$30,104	Relatively Low	Relatively Low	0.95	$28,506	37.18
20	Census tract 39145002500	OH	$31,780	Relatively Low	Relatively Low	0.9	$28,475	37.17

1 lower-risk community was omitted from this report.

Tsunami

Rank	Community	State	Risk Index Rating	Risk Index Score	National Percentile
	Census tract 39145002100	OH	Not Applicable		
	Census tract 39145002200	OH	Not Applicable		
	Census tract 39145002300	OH	Not Applicable		
	Census tract 39145002400	OH	Not Applicable		
	Census tract 39145002500	OH	Not Applicable		
	Census tract 39145002600	OH	Not Applicable		
	Census tract 39145002700	OH	Not Applicable		
	Census tract 39145002800	OH	Not Applicable		
	Census tract 39145002901	OH	Not Applicable		
	Census tract 39145002902	OH	Not Applicable		
	Census tract 39145003000	OH	Not Applicable		
	Census tract 39145003100	OH	Not Applicable		
	Census tract 39145003300	OH	Not Applicable		
	Census tract 39145003400	OH	Not Applicable		
	Census tract 39145003500	OH	Not Applicable		
	Census tract 39145003600	OH	Not Applicable		
	Census tract 39145003700	OH	Not Applicable		
	Census tract 39145003800	OH	Not Applicable		
	Census tract 39145003900	OH	Not Applicable		
	Census tract 39145004000	OH	Not Applicable		
	1 lower-risk community was omitted from this report.				

Rank	Community	State	EAL Value	Social Vulnerability	Community Resilience	CRF	Risk Value	Risk Index Score
	Census tract 39145002100	OH	N/A	Relatively High	Relatively Low	1.36	N/A	N/A
	Census tract 39145002200	OH	N/A	Relatively High	Relatively Low	1.27	N/A	N/A
	Census tract 39145002300	OH	N/A	Relatively High	Relatively Low	1.31	N/A	N/A
	Census tract 39145002400	OH	N/A	Relatively High	Relatively Low	1.28	N/A	N/A
	Census tract 39145002500	OH	N/A	Relatively Low	Relatively Low	0.9	N/A	N/A
	1 lower-risk community was omitted from this report.							

Rank	Community	State	EAL Value	Social Vulnerability	Community Resilience	CRF	Risk Value	Risk Index Score
	Census tract 39145002600	OH	N/A	Relatively Low	Relatively Low	1.05	N/A	N/A
	Census tract 39145002700	OH	N/A	Relatively Low	Relatively Low	0.95	N/A	N/A
	Census tract 39145002800	OH	N/A	Relatively Moderate	Relatively Low	1.06	N/A	N/A
	Census tract 39145002901	OH	N/A	Relatively High	Relatively Low	1.31	N/A	N/A
	Census tract 39145002902	OH	N/A	Relatively Low	Relatively Low	1.03	N/A	N/A
	Census tract 39145003000	OH	N/A	Relatively Low	Relatively Low	1.05	N/A	N/A
	Census tract 39145003100	OH	N/A	Very High	Relatively Low	1.57	N/A	N/A
	Census tract 39145003300	OH	N/A	Relatively Moderate	Relatively Low	1.23	N/A	N/A
	Census tract 39145003400	OH	N/A	Very High	Relatively Low	1.56	N/A	N/A
	Census tract 39145003500	OH	N/A	Very High	Relatively Low	1.49	N/A	N/A
	Census tract 39145003600	OH	N/A	Relatively High	Relatively Low	1.46	N/A	N/A
	Census tract 39145003700	OH	N/A	Very High	Relatively Low	1.55	N/A	N/A
	Census tract 39145003800	OH	N/A	Relatively Moderate	Relatively Low	1.18	N/A	N/A
	Census tract 39145003900	OH	N/A	Relatively Low	Relatively Low	0.95	N/A	N/A
	Census tract 39145004000	OH	N/A	Relatively Moderate	Relatively Low	1.2	N/A	N/A
	1 lower-risk community was omitted from this report.							

Volcanic Activity

Rank	Community	State	Risk Index Rating	Risk Index Score	National Percentile
	Census tract 39145002100	OH	Not Applicable		
	Census tract 39145002200	OH	Not Applicable		
	Census tract 39145002300	OH	Not Applicable		
	Census tract 39145002400	OH	Not Applicable		
	Census tract 39145002500	OH	Not Applicable		
	Census tract 39145002600	OH	Not Applicable		
	Census tract 39145002700	OH	Not Applicable		
	Census tract 39145002800	OH	Not Applicable		
	Census tract 39145002901	OH	Not Applicable		
	Census tract 39145002902	OH	Not Applicable		
	Census tract 39145003000	OH	Not Applicable		
	1 lower-risk community was omitted from this report.				

Rank	Community	State	Risk Index Rating	Risk Index Score	National Percentile
	Census tract 39145003100	OH	Not Applicable		
	Census tract 39145003300	OH	Not Applicable		
	Census tract 39145003400	OH	Not Applicable		
	Census tract 39145003500	OH	Not Applicable		
	Census tract 39145003600	OH	Not Applicable		
	Census tract 39145003700	OH	Not Applicable		
	Census tract 39145003800	OH	Not Applicable		
	Census tract 39145003900	OH	Not Applicable		
	Census tract 39145004000	OH	Not Applicable		
	1 lower-risk community was omitted from this report.				

Rank	Community	State	EAL Value	Social Vulnerability	Community Resilience	CRF	Risk Value	Risk Index Score
	Census tract 39145002100	OH	N/A	Relatively High	Relatively Low	1.36	N/A	N/A
	Census tract 39145002200	OH	N/A	Relatively High	Relatively Low	1.27	N/A	N/A
	Census tract 39145002300	OH	N/A	Relatively High	Relatively Low	1.31	N/A	N/A
	Census tract 39145002400	OH	N/A	Relatively High	Relatively Low	1.28	N/A	N/A
	Census tract 39145002500	OH	N/A	Relatively Low	Relatively Low	0.9	N/A	N/A
	Census tract 39145002600	OH	N/A	Relatively Low	Relatively Low	1.05	N/A	N/A
	Census tract 39145002700	OH	N/A	Relatively Low	Relatively Low	0.95	N/A	N/A
	Census tract 39145002800	OH	N/A	Relatively Moderate	Relatively Low	1.06	N/A	N/A
	Census tract 39145002901	OH	N/A	Relatively High	Relatively Low	1.31	N/A	N/A
	Census tract 39145002902	OH	N/A	Relatively Low	Relatively Low	1.03	N/A	N/A
	Census tract 39145003000	OH	N/A	Relatively Low	Relatively Low	1.05	N/A	N/A
	Census tract 39145003100	OH	N/A	Very High	Relatively Low	1.57	N/A	N/A
	Census tract 39145003300	OH	N/A	Relatively Moderate	Relatively Low	1.23	N/A	N/A
	Census tract 39145003400	OH	N/A	Very High	Relatively Low	1.56	N/A	N/A
	Census tract 39145003500	OH	N/A	Very High	Relatively Low	1.49	N/A	N/A
	Census tract 39145003600	OH	N/A	Relatively High	Relatively Low	1.46	N/A	N/A
	Census tract 39145003700	OH	N/A	Very High	Relatively Low	1.55	N/A	N/A
	Census tract 39145003800	OH	N/A	Relatively Moderate	Relatively Low	1.18	N/A	N/A
	1 lower-risk community was omitted from this report.							

Rank	Community	State	EAL Value	Social Vulnerability	Community Resilience	CRF	Risk Value	Risk Index Score
	Census tract 39145003900	OH	N/A	Relatively Low	Relatively Low	0.95	N/A	N/A
	Census tract 39145004000	OH	N/A	Relatively Moderate	Relatively Low	1.2	N/A	N/A
	1 lower-risk community was omitted from this report.							

Wildfire

Rank	Community	State	Risk Index Rating	Risk Index Score	National Percentile
1	Census tract 39145002100	OH	Relatively Moderate	85.21	0 100
2	Census tract 39145002700	OH	Relatively Low	82.67	0 100
3	Census tract 39145002800	OH	Relatively Low	81.73	0 100
4	Census tract 39145003800	OH	Relatively Low	80.94	0 100
5	Census tract 39145002400	OH	Relatively Low	80.28	0 100
6	Census tract 39145002600	OH	Relatively Low	78.43	0 100
7	Census tract 39145004000	OH	Relatively Low	76.52	0 100
8	Census tract 39145002300	OH	Relatively Low	73.38	0 100
9	Census tract 39145002500	OH	Relatively Low	70.76	0 100
10	Census tract 39145002200	OH	Relatively Low	70.75	0 100
11	Census tract 39145003000	OH	Relatively Low	68.03	0 100
12	Census tract 39145002902	OH	Relatively Low	56	0 100
13	Census tract 39145002901	OH	Very Low	48.16	0 100
14	Census tract 39145003900	OH	Very Low	37.27	0 100
15	Census tract 39145003100	OH	Very Low	26.26	0 100
16	Census tract 39145003500	OH	Very Low	25.61	0 100
	Census tract 39145003300	OH	No Rating	0	0 100
	Census tract 39145003400	OH	No Rating	0	0 100
	Census tract 39145003600	OH	No Rating	0	0 100
	Census tract 39145003700	OH	No Rating	0	0 100
	1 lower-risk community was omitted from this report.				

Rank	Community	State	EAL Value	Social Vulnerability	Community Resilience	CRF	Risk Value	Risk Index Score
1	Census tract 39145002100	OH	$9,839	Relatively High	Relatively Low	1.36	$13,337	85.21
2	Census tract 39145002700	OH	$8,216	Relatively Low	Relatively Low	0.95	$7,780	82.67
3	Census tract 39145002800	OH	$6,009	Relatively Moderate	Relatively Low	1.06	$6,357	81.73
4	Census tract 39145003800	OH	$4,571	Relatively Moderate	Relatively Low	1.18	$5,406	80.94
5	Census tract 39145002400	OH	$3,679	Relatively High	Relatively Low	1.28	$4,722	80.28
6	Census tract 39145002600	OH	$3,235	Relatively Low	Relatively Low	1.05	$3,387	78.43
7	Census tract 39145004000	OH	$2,161	Relatively Moderate	Relatively Low	1.2	$2,584	76.52
8	Census tract 39145002300	OH	$1,418	Relatively High	Relatively Low	1.31	$1,855	73.38
9	Census tract 39145002500	OH	$1,676	Relatively Low	Relatively Low	0.9	$1,502	70.76
10	Census tract 39145002200	OH	$1,178	Relatively High	Relatively Low	1.27	$1,500	70.75
11	Census tract 39145003000	OH	$1,174	Relatively Low	Relatively Low	1.05	$1,232	68.03
12	Census tract 39145002902	OH	$521	Relatively Low	Relatively Low	1.03	$537	56
13	Census tract 39145002901	OH	$228	Relatively High	Relatively Low	1.31	$299	48.16
14	Census tract 39145003900	OH	$119	Relatively Low	Relatively Low	0.95	$113	37.27
15	Census tract 39145003100	OH	$4	Very High	Relatively Low	1.57	$7	26.26
16	Census tract 39145003500	OH	$1	Very High	Relatively Low	1.49	$2	25.61
	Census tract 39145003300	OH	$0	Relatively Moderate	Relatively Low	1.23	$0	0
	Census tract 39145003400	OH	$0	Very High	Relatively Low	1.56	$0	0
	Census tract 39145003600	OH	$0	Relatively High	Relatively Low	1.46	$0	0
	Census tract 39145003700	OH	$0	Very High	Relatively Low	1.55	$0	0

1 lower-risk community was omitted from this report.

Winter Weather

Rank	Community	State	Risk Index Rating	Risk Index Score	National Percentile
1	Census tract 39145003600	OH	Relatively High	93.48	0 100
2	Census tract 39145003100	OH	Relatively High	91.18	0 100
3	Census tract 39145002400	OH	Relatively High	90.34	0 100
4	Census tract 39145002100	OH	Relatively High	90.16	0 100
5	Census tract 39145003700	OH	Relatively High	90.02	0 100
6	Census tract 39145003800	OH	Relatively High	89.52	0 100

1 lower-risk community was omitted from this report.

Rank	Community	State	Risk Index Rating	Risk Index Score	National Percentile
7	Census tract 39145002300	OH	Relatively High	89.39	0 100
8	Census tract 39145002200	OH	Relatively High	89.11	0 100
9	Census tract 39145003400	OH	Relatively High	87.46	0 100
10	Census tract 39145002800	OH	Relatively High	87.35	0 100
11	Census tract 39145002600	OH	Relatively High	86.03	0 100
12	Census tract 39145004000	OH	Relatively Moderate	85.61	0 100
13	Census tract 39145002902	OH	Relatively Moderate	85.46	0 100
14	Census tract 39145002901	OH	Relatively Moderate	84.76	0 100
15	Census tract 39145003500	OH	Relatively Moderate	84.67	0 100
16	Census tract 39145002700	OH	Relatively Moderate	84.1	0 100
17	Census tract 39145003300	OH	Relatively Moderate	82.46	0 100
18	Census tract 39145003000	OH	Relatively Moderate	82.08	0 100
19	Census tract 39145003900	OH	Relatively Moderate	77.7	0 100
20	Census tract 39145002500	OH	Relatively Moderate	76.52	0 100

1 lower-risk community was omitted from this report.

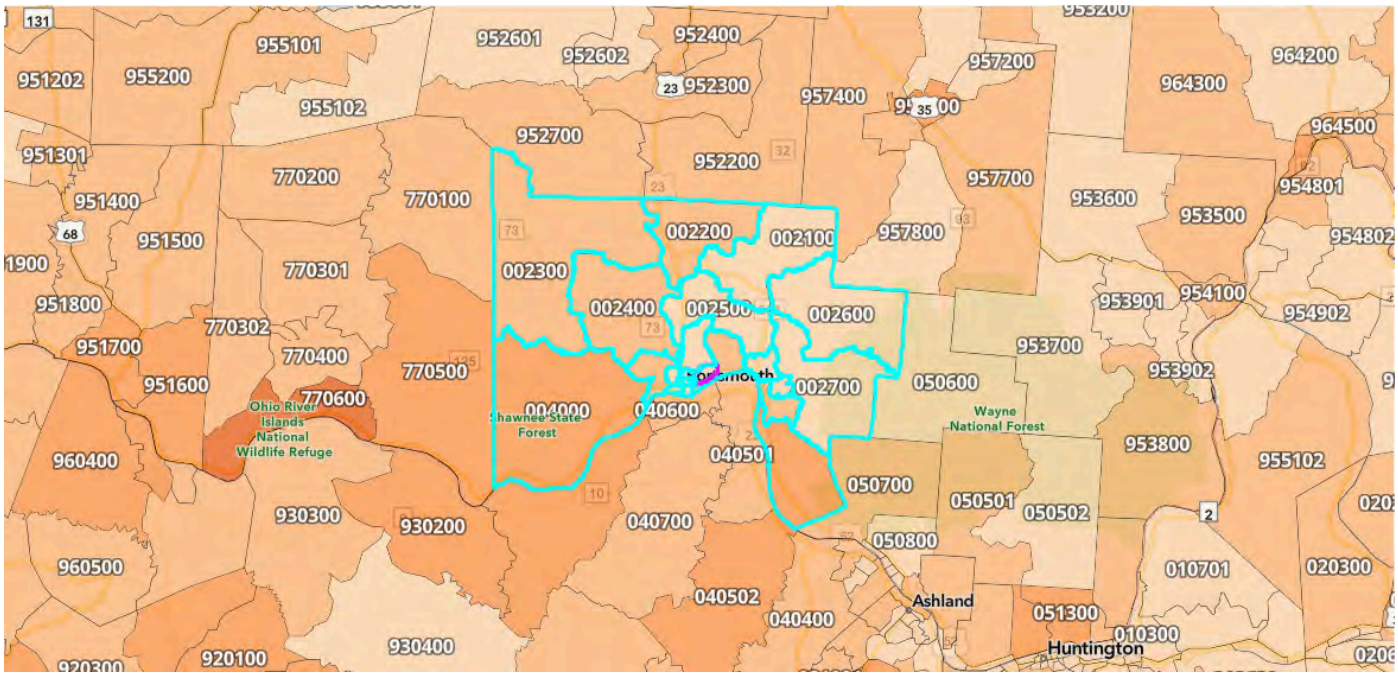
Rank	Community	State	EAL Value	Social Vulnerability	Community Resilience	CRF	Risk Value	Risk Index Score
1	Census tract 39145003600	OH	$14,491	Relatively High	Relatively Low	1.46	$21,110	93.48
2	Census tract 39145003100	OH	$10,328	Very High	Relatively Low	1.57	$16,206	91.18
3	Census tract 39145002400	OH	$11,607	Relatively High	Relatively Low	1.28	$14,898	90.34
4	Census tract 39145002100	OH	$10,798	Relatively High	Relatively Low	1.36	$14,638	90.16
5	Census tract 39145003700	OH	$9,334	Very High	Relatively Low	1.55	$14,445	90.02
6	Census tract 39145003800	OH	$11,685	Relatively Moderate	Relatively Low	1.18	$13,820	89.52
7	Census tract 39145002300	OH	$10,446	Relatively High	Relatively Low	1.31	$13,662	89.39
8	Census tract 39145002200	OH	$10,460	Relatively High	Relatively Low	1.27	$13,324	89.11
9	Census tract 39145003400	OH	$7,466	Very High	Relatively Low	1.56	$11,612	87.46
10	Census tract 39145002800	OH	$10,886	Relatively Moderate	Relatively Low	1.06	$11,517	87.35
11	Census tract 39145002600	OH	$9,929	Relatively Low	Relatively Low	1.05	$10,396	86.03
12	Census tract 39145004000	OH	$8,417	Relatively Moderate	Relatively Low	1.2	$10,065	85.61
13	Census tract 39145002902	OH	$9,655	Relatively Low	Relatively Low	1.03	$9,959	85.46

1 lower-risk community was omitted from this report.

Rank	Community	State	EAL Value	Social Vulnerability	Community Resilience	CRF	Risk Value	Risk Index Score
14	Census tract 39145002901	OH	$7,225	Relatively High	Relatively Low	1.31	$9,463	84.76
15	Census tract 39145003500	OH	$6,325	Very High	Relatively Low	1.49	$9,394	84.67
16	Census tract 39145002700	OH	$9,540	Relatively Low	Relatively Low	0.95	$9,034	84.1
17	Census tract 39145003300	OH	$6,539	Relatively Moderate	Relatively Low	1.23	$8,066	82.46
18	Census tract 39145003000	OH	$7,508	Relatively Low	Relatively Low	1.05	$7,883	82.08
19	Census tract 39145003900	OH	$6,378	Relatively Low	Relatively Low	0.95	$6,081	77.7
20	Census tract 39145002500	OH	$6,356	Relatively Low	Relatively Low	0.9	$5,695	76.52
	1 lower-risk community was omitted from this report.							

Expected Annual Loss

Expected Annual Loss measures the expected loss each year due to natural hazards.



Expected Annual Loss Legend

Very High | Relatively High | Relatively Moderate | Relatively Low | Very Low

No Expected Annual Losses | Not Applicable | Insufficient Data

Rank	Community	State	EAL Value	Score
1	Census tract 39145004000	OH	$804,381	67.97
2	Census tract 39145002800	OH	$728,696	64.59
3	Census tract 39145002200	OH	$452,321	46.93
4	Census tract 39145003700	OH	$430,892	44.92
5	Census tract 39145003100	OH	$427,254	44.58
6	Census tract 39145002902	OH	$373,803	39.35
7	Census tract 39145002300	OH	$368,781	38.8
8	Census tract 39145002400	OH	$363,645	38.22
9	Census tract 39145003900	OH	$290,617	30.29
10	Census tract 39145003600	OH	$250,773	25.58
11	Census tract 39145002100	OH	$244,521	24.83
12	Census tract 39145003000	OH	$242,219	24.53
	1 lower-risk community was omitted from this report.			

Rank	Community	State	EAL Value	Score
13	Census tract 39145002500	OH	$230,197	22.98
14	Census tract 39145002600	OH	$200,853	19.1
15	Census tract 39145003800	OH	$196,787	18.54
16	Census tract 39145002700	OH	$176,990	15.88
17	Census tract 39145003400	OH	$108,900	7.11
18	Census tract 39145002901	OH	$96,504	5.6
19	Census tract 39145003500	OH	$95,780	5.51
20	Census tract 39145003300	OH	$92,394	5.13
	1 lower-risk community was omitted from this report.			

Expected Annual Loss for Hazard Types

Expected Annual Loss scores for hazard types are calculated using data for only a single hazard type, and reflect a community's relative expected annual loss for only that hazard type.

Avalanche

Rank	Community	State	EAL Value	Score
	Census tract 39145002100	OH	N/A	--
	Census tract 39145002200	OH	N/A	--
	Census tract 39145002300	OH	N/A	--
	Census tract 39145002400	OH	N/A	--
	Census tract 39145002500	OH	N/A	--
	Census tract 39145002600	OH	N/A	--
	Census tract 39145002700	OH	N/A	--
	Census tract 39145002800	OH	N/A	--
	Census tract 39145002901	OH	N/A	--
	Census tract 39145002902	OH	N/A	--
	Census tract 39145003000	OH	N/A	--
	Census tract 39145003100	OH	N/A	--
	Census tract 39145003300	OH	N/A	--
	Census tract 39145003400	OH	N/A	--
	Census tract 39145003500	OH	N/A	--
	Census tract 39145003600	OH	N/A	--
	Census tract 39145003700	OH	N/A	--
	Census tract 39145003800	OH	N/A	--
	Census tract 39145003900	OH	N/A	--
	Census tract 39145004000	OH	N/A	--
	1 lower-risk community was omitted from this report.			

Coastal Flooding

Rank	Community	State	EAL Value	Score
	Census tract 39145002100	OH	N/A	--
	1 lower-risk community was omitted from this report.			

Rank	Community	State	EAL Value	Score
	Census tract 39145002200	OH	N/A	--
	Census tract 39145002300	OH	N/A	--
	Census tract 39145002400	OH	N/A	--
	Census tract 39145002500	OH	N/A	--
	Census tract 39145002600	OH	N/A	--
	Census tract 39145002700	OH	N/A	--
	Census tract 39145002800	OH	N/A	--
	Census tract 39145002901	OH	N/A	--
	Census tract 39145002902	OH	N/A	--
	Census tract 39145003000	OH	N/A	--
	Census tract 39145003100	OH	N/A	--
	Census tract 39145003300	OH	N/A	--
	Census tract 39145003400	OH	N/A	--
	Census tract 39145003500	OH	N/A	--
	Census tract 39145003600	OH	N/A	--
	Census tract 39145003700	OH	N/A	--
	Census tract 39145003800	OH	N/A	--
	Census tract 39145003900	OH	N/A	--
	Census tract 39145004000	OH	N/A	--
	1 lower-risk community was omitted from this report.			

Cold Wave

Rank	Community	State	EAL Value	Score
1	**Census tract 39145002200**	OH	$512	47.5
2	**Census tract 39145002800**	OH	$493	47.2
3	**Census tract 39145002100**	OH	$485	47.1
4	**Census tract 39145002400**	OH	$466	47.0
5	**Census tract 39145004000**	OH	$462	46.9
6	**Census tract 39145002300**	OH	$424	46.5
7	**Census tract 39145002600**	OH	$415	46.4
	1 lower-risk community was omitted from this report.			

Rank	Community	State	EAL Value	Score
8	Census tract 39145002700	OH	$407	46.3
9	Census tract 39145002500	OH	$316	45.3
10	Census tract 39145003900	OH	$272	44.9
11	Census tract 39145003800	OH	$271	44.9
12	Census tract 39145003600	OH	$218	44.4
13	Census tract 39145002902	OH	$193	44.2
14	Census tract 39145003100	OH	$190	44.2
15	Census tract 39145003000	OH	$182	44.1
16	Census tract 39145002901	OH	$175	44.1
17	Census tract 39145003400	OH	$167	44.0
18	Census tract 39145003700	OH	$165	44.0
19	Census tract 39145003300	OH	$126	43.8
20	Census tract 39145003500	OH	$120	43.7
	1 lower-risk community was omitted from this report.			

Drought

Rank	Community	State	EAL Value	Score
1	Census tract 39145004000	OH	$946	84.2
2	Census tract 39145002400	OH	$574	82.5
3	Census tract 39145002300	OH	$482	81.9
4	Census tract 39145002200	OH	$386	81.1
5	Census tract 39145002800	OH	$371	80.9
6	Census tract 39145002500	OH	$268	79.9
7	Census tract 39145003900	OH	$261	79.8
8	Census tract 39145002600	OH	$215	79.2
9	Census tract 39145002700	OH	$193	78.8
10	Census tract 39145002100	OH	$165	78.2
11	Census tract 39145003800	OH	$55	75.2
12	Census tract 39145002902	OH	$28	73.6
13	Census tract 39145003000	OH	$17	72.7
	1 lower-risk community was omitted from this report.			

Rank	Community	State	EAL Value	Score
14	Census tract 39145002901	OH	$5	70.9
	Census tract 39145003100	OH	$0	0.0
	Census tract 39145003300	OH	$0	0.0
	Census tract 39145003400	OH	$0	0.0
	Census tract 39145003500	OH	$0	0.0
	Census tract 39145003600	OH	$0	0.0
	Census tract 39145003700	OH	$0	0.0
	1 lower-risk community was omitted from this report.			

Earthquake

Rank	Community	State	EAL Value	Score
1	Census tract 39145003600	OH	$46,418	71.8
2	Census tract 39145003700	OH	$27,305	65.4
3	Census tract 39145002902	OH	$20,207	61.0
4	Census tract 39145002200	OH	$15,327	55.8
5	Census tract 39145003800	OH	$14,852	55.2
6	Census tract 39145002600	OH	$13,379	53.1
7	Census tract 39145002400	OH	$12,865	52.2
8	Census tract 39145003100	OH	$11,937	50.7
9	Census tract 39145003000	OH	$11,811	50.4
10	Census tract 39145002800	OH	$11,637	50.1
11	Census tract 39145003500	OH	$11,551	49.9
12	Census tract 39145002901	OH	$11,382	49.6
13	Census tract 39145002700	OH	$10,609	48.0
14	Census tract 39145003300	OH	$9,516	45.5
15	Census tract 39145002100	OH	$9,357	45.1
16	Census tract 39145002300	OH	$9,267	44.9
17	Census tract 39145003400	OH	$8,814	43.7
18	Census tract 39145004000	OH	$7,629	40.5
19	Census tract 39145002500	OH	$7,267	39.4
	1 lower-risk community was omitted from this report.			

Rank	Community	State	EAL Value	Score
20	Census tract 39145003900	OH	$6,716	37.7
	1 lower-risk community was omitted from this report.			

Hail

Rank	Community	State	EAL Value	Score
1	Census tract 39145002800	OH	$874	41.4
2	Census tract 39145002200	OH	$829	40.7
3	Census tract 39145003600	OH	$826	40.6
4	Census tract 39145002400	OH	$822	40.6
5	Census tract 39145002100	OH	$812	40.4
6	Census tract 39145002300	OH	$743	39.4
7	Census tract 39145002600	OH	$732	39.3
8	Census tract 39145004000	OH	$703	38.8
9	Census tract 39145003800	OH	$677	38.4
10	Census tract 39145002700	OH	$675	38.4
11	Census tract 39145003100	OH	$579	36.7
12	Census tract 39145002902	OH	$560	36.4
13	Census tract 39145003700	OH	$523	35.8
14	Census tract 39145002500	OH	$505	35.4
15	Census tract 39145003900	OH	$463	34.5
16	Census tract 39145003000	OH	$421	33.6
17	Census tract 39145003400	OH	$406	33.3
18	Census tract 39145002901	OH	$395	33.1
19	Census tract 39145003300	OH	$363	32.2
20	Census tract 39145003500	OH	$352	31.9
	1 lower-risk community was omitted from this report.			

Heat Wave

Rank	Community	State	EAL Value	Score
1	Census tract 39145002400	OH	$20,072	68.4
	1 lower-risk community was omitted from this report.			

Rank	Community	State	EAL Value	Score
2	Census tract 39145002700	OH	$18,692	67.0
3	Census tract 39145002100	OH	$18,394	66.7
4	Census tract 39145002300	OH	$18,237	66.5
5	Census tract 39145002200	OH	$17,305	65.5
6	Census tract 39145002800	OH	$17,113	65.3
7	Census tract 39145003800	OH	$16,868	65.0
8	Census tract 39145004000	OH	$15,524	63.3
9	Census tract 39145002600	OH	$14,723	62.2
10	Census tract 39145002901	OH	$14,027	61.2
11	Census tract 39145003400	OH	$13,464	60.3
12	Census tract 39145003000	OH	$13,382	60.2
13	Census tract 39145003100	OH	$11,666	57.2
14	Census tract 39145003900	OH	$11,494	56.9
15	Census tract 39145002500	OH	$10,910	55.8
16	Census tract 39145003700	OH	$9,773	53.5
17	Census tract 39145002902	OH	$9,743	53.5
18	Census tract 39145003600	OH	$9,038	52.0
19	Census tract 39145003300	OH	$8,566	51.0
20	Census tract 39145003500	OH	$7,971	49.6
	1 lower-risk community was omitted from this report.			

Hurricane

Rank	Community	State	EAL Value	Score
1	Census tract 39145002800	OH	$11,765	41.0
2	Census tract 39145003600	OH	$10,405	39.9
3	Census tract 39145002902	OH	$9,423	38.9
4	Census tract 39145002600	OH	$8,592	38.0
5	Census tract 39145002700	OH	$7,386	36.5
6	Census tract 39145003800	OH	$6,785	35.7
7	Census tract 39145003100	OH	$6,513	35.3
	1 lower-risk community was omitted from this report.			

Rank	Community	State	EAL Value	Score
8	Census tract 39145002100	OH	$6,502	35.3
9	Census tract 39145002400	OH	$6,425	35.2
10	Census tract 39145002200	OH	$6,072	34.7
11	Census tract 39145003700	OH	$6,017	34.6
12	Census tract 39145002300	OH	$5,746	34.2
13	Census tract 39145004000	OH	$5,601	34.0
14	Census tract 39145002901	OH	$5,323	33.5
15	Census tract 39145003000	OH	$4,580	32.0
16	Census tract 39145003300	OH	$3,917	30.5
17	Census tract 39145003500	OH	$3,843	30.3
18	Census tract 39145003400	OH	$3,834	30.3
19	Census tract 39145002500	OH	$3,709	30.0
20	Census tract 39145003900	OH	$3,437	29.3
	1 lower-risk community was omitted from this report.			

Ice Storm

Rank	Community	State	EAL Value	Score
1	Census tract 39145003600	OH	$9,965	78.2
2	Census tract 39145003800	OH	$7,206	73.2
3	Census tract 39145002400	OH	$6,875	72.4
4	Census tract 39145002800	OH	$6,791	72.2
5	Census tract 39145003100	OH	$6,649	71.8
6	Census tract 39145002100	OH	$6,308	70.9
7	Census tract 39145002200	OH	$6,267	70.8
8	Census tract 39145002300	OH	$6,173	70.6
9	Census tract 39145003700	OH	$6,076	70.3
10	Census tract 39145002902	OH	$5,459	68.3
11	Census tract 39145002600	OH	$5,344	67.9
12	Census tract 39145004000	OH	$4,931	66.3
13	Census tract 39145002700	OH	$4,703	65.3
	1 lower-risk community was omitted from this report.			

Rank	Community	State	EAL Value	Score
14	Census tract 39145003400	OH	$4,370	63.8
15	Census tract 39145003000	OH	$4,189	62.9
16	Census tract 39145003300	OH	$4,107	62.5
17	Census tract 39145003500	OH	$4,000	61.9
18	Census tract 39145002500	OH	$3,743	60.5
19	Census tract 39145003900	OH	$3,738	60.4
20	Census tract 39145002901	OH	$3,568	59.3
	1 lower-risk community was omitted from this report.			

Landslide

Rank	Community	State	EAL Value	Score
1	Census tract 39145004000	OH	$52,194	99.3
2	Census tract 39145003100	OH	$10,234	96.7
3	Census tract 39145003600	OH	$9,968	96.6
4	Census tract 39145002600	OH	$8,538	95.8
5	Census tract 39145002100	OH	$8,430	95.7
6	Census tract 39145002400	OH	$7,894	95.3
7	Census tract 39145003800	OH	$7,629	95.1
8	Census tract 39145002902	OH	$7,500	94.9
9	Census tract 39145002200	OH	$7,437	94.9
10	Census tract 39145003000	OH	$6,411	93.7
11	Census tract 39145002300	OH	$6,230	93.4
12	Census tract 39145002700	OH	$6,070	93.2
13	Census tract 39145002500	OH	$5,632	92.4
14	Census tract 39145002901	OH	$5,565	92.3
15	Census tract 39145003900	OH	$5,320	91.8
16	Census tract 39145002800	OH	$4,194	88.8
17	Census tract 39145003300	OH	$2,718	82.2
18	Census tract 39145003400	OH	$1,776	75.0
19	Census tract 39145003500	OH	$841	62.7
	1 lower-risk community was omitted from this report.			

Rank	Community	State	EAL Value	Score
	Census tract 39145003700	OH	$0	0.0
	1 lower-risk community was omitted from this report.			

Lightning

Rank	Community	State	EAL Value	Score
1	Census tract 39145002400	OH	$16,146	81.4
2	Census tract 39145002700	OH	$15,964	81.1
3	Census tract 39145002100	OH	$15,548	80.4
4	Census tract 39145002300	OH	$15,419	80.2
5	Census tract 39145002800	OH	$14,826	79.2
6	Census tract 39145004000	OH	$14,097	77.8
7	Census tract 39145002200	OH	$14,063	77.7
8	Census tract 39145003800	OH	$13,587	76.7
9	Census tract 39145002600	OH	$12,257	73.7
10	Census tract 39145002901	OH	$12,021	73.1
11	Census tract 39145003400	OH	$11,598	72.1
12	Census tract 39145003000	OH	$11,080	70.7
13	Census tract 39145003100	OH	$10,177	68.1
14	Census tract 39145003900	OH	$9,423	65.6
15	Census tract 39145002500	OH	$9,033	64.3
16	Census tract 39145003600	OH	$8,882	63.8
17	Census tract 39145003700	OH	$8,502	62.4
18	Census tract 39145002902	OH	$8,419	62.1
19	Census tract 39145003500	OH	$7,306	57.7
20	Census tract 39145003300	OH	$6,951	56.2
	1 lower-risk community was omitted from this report.			

Riverine Flooding

Rank	Community	State	EAL Value	Score
1	Census tract 39145004000	OH	$626,304	97.7
	1 lower-risk community was omitted from this report.			

Rank	Community	State	EAL Value	Score
2	Census tract 39145002800	OH	$585,504	97.5
3	Census tract 39145002200	OH	$292,765	94.8
4	Census tract 39145003700	OH	$292,671	94.7
5	Census tract 39145003100	OH	$280,847	94.5
6	Census tract 39145002902	OH	$254,146	94.0
7	Census tract 39145002300	OH	$214,478	92.9
8	Census tract 39145003900	OH	$194,292	92.3
9	Census tract 39145002400	OH	$187,661	92.0
10	Census tract 39145002500	OH	$133,237	89.2
11	Census tract 39145003000	OH	$131,757	89.1
12	Census tract 39145002100	OH	$79,612	83.9
13	Census tract 39145002600	OH	$72,001	82.6
14	Census tract 39145002700	OH	$47,319	77.3
15	Census tract 39145003600	OH	$31,711	71.5
16	Census tract 39145003800	OH	$23,817	67.3
17	Census tract 39145003500	OH	$5,535	47.5
18	Census tract 39145002901	OH	$843	32.8
	Census tract 39145003300	OH	$0	0.0
	Census tract 39145003400	OH	$0	0.0
	1 lower-risk community was omitted from this report.			

Strong Wind

Rank	Community	State	EAL Value	Score
1	Census tract 39145003600	OH	$37,555	81.2
2	Census tract 39145003800	OH	$29,615	76.4
3	Census tract 39145002400	OH	$29,220	76.1
4	Census tract 39145002800	OH	$29,172	76.1
5	Census tract 39145002200	OH	$26,409	73.9
6	Census tract 39145003100	OH	$26,397	73.9
7	Census tract 39145002300	OH	$26,285	73.8
	1 lower-risk community was omitted from this report.			

Rank	Community	State	EAL Value	Score
8	Census tract 39145002100	OH	$26,160	73.7
9	Census tract 39145004000	OH	$24,004	71.8
10	Census tract 39145003700	OH	$23,910	71.7
11	Census tract 39145002600	OH	$18,772	66.2
12	Census tract 39145003400	OH	$18,726	66.1
13	Census tract 39145002902	OH	$17,909	65.1
14	Census tract 39145002700	OH	$17,111	64.0
15	Census tract 39145003000	OH	$16,867	63.6
16	Census tract 39145003300	OH	$16,629	63.3
17	Census tract 39145003500	OH	$16,107	62.5
18	Census tract 39145003900	OH	$16,027	62.4
19	Census tract 39145002500	OH	$15,764	62.0
20	Census tract 39145002901	OH	$12,945	57.5
	1 lower-risk community was omitted from this report.			

Tornado

Rank	Community	State	EAL Value	Score
1	Census tract 39145003600	OH	$71,298	55.7
2	Census tract 39145002400	OH	$59,339	52.4
3	Census tract 39145003800	OH	$59,169	52.3
4	Census tract 39145002300	OH	$53,432	50.4
5	Census tract 39145002200	OH	$53,309	50.4
6	Census tract 39145002100	OH	$52,111	50.0
7	Census tract 39145003100	OH	$51,733	49.8
8	Census tract 39145003700	OH	$46,617	48.0
9	Census tract 39145004000	OH	$41,408	45.9
10	Census tract 39145003400	OH	$38,279	44.4
11	Census tract 39145003300	OH	$32,960	41.7
12	Census tract 39145003000	OH	$32,841	41.7
13	Census tract 39145002600	OH	$32,721	41.6
	1 lower-risk community was omitted from this report.			

Rank	Community	State	EAL Value	Score
14	Census tract 39145003900	OH	$32,676	41.6
15	Census tract 39145003500	OH	$31,826	41.1
16	Census tract 39145002500	OH	$31,780	41.1
17	Census tract 39145002700	OH	$30,104	40.2
18	Census tract 39145002902	OH	$30,038	40.2
19	Census tract 39145002800	OH	$29,062	39.6
20	Census tract 39145002901	OH	$22,802	35.9
	1 lower-risk community was omitted from this report.			

Tsunami

Rank	Community	State	EAL Value	Score
	Census tract 39145002100	OH	N/A	--
	Census tract 39145002200	OH	N/A	--
	Census tract 39145002300	OH	N/A	--
	Census tract 39145002400	OH	N/A	--
	Census tract 39145002500	OH	N/A	--
	Census tract 39145002600	OH	N/A	--
	Census tract 39145002700	OH	N/A	--
	Census tract 39145002800	OH	N/A	--
	Census tract 39145002901	OH	N/A	--
	Census tract 39145002902	OH	N/A	--
	Census tract 39145003000	OH	N/A	--
	Census tract 39145003100	OH	N/A	--
	Census tract 39145003300	OH	N/A	--
	Census tract 39145003400	OH	N/A	--
	Census tract 39145003500	OH	N/A	--
	Census tract 39145003600	OH	N/A	--
	Census tract 39145003700	OH	N/A	--
	Census tract 39145003800	OH	N/A	--
	Census tract 39145003900	OH	N/A	--
	1 lower-risk community was omitted from this report.			

Rank	Community	State	EAL Value	Score
	Census tract 39145004000	OH	N/A	--
	1 lower-risk community was omitted from this report.			

Volcanic Activity

Rank	Community	State	EAL Value	Score
	Census tract 39145002100	OH	N/A	--
	Census tract 39145002200	OH	N/A	--
	Census tract 39145002300	OH	N/A	--
	Census tract 39145002400	OH	N/A	--
	Census tract 39145002500	OH	N/A	--
	Census tract 39145002600	OH	N/A	--
	Census tract 39145002700	OH	N/A	--
	Census tract 39145002800	OH	N/A	--
	Census tract 39145002901	OH	N/A	--
	Census tract 39145002902	OH	N/A	--
	Census tract 39145003000	OH	N/A	--
	Census tract 39145003100	OH	N/A	--
	Census tract 39145003300	OH	N/A	--
	Census tract 39145003400	OH	N/A	--
	Census tract 39145003500	OH	N/A	--
	Census tract 39145003600	OH	N/A	--
	Census tract 39145003700	OH	N/A	--
	Census tract 39145003800	OH	N/A	--
	Census tract 39145003900	OH	N/A	--
	Census tract 39145004000	OH	N/A	--
	1 lower-risk community was omitted from this report.			

Wildfire

Rank	Community	State	EAL Value	Score
1	Census tract 39145002100	OH	$9,839	84.3
	1 lower-risk community was omitted from this report.			

Rank	Community	State	EAL Value	Score
2	Census tract 39145002700	OH	$8,216	83.4
3	Census tract 39145002800	OH	$6,009	81.9
4	Census tract 39145003800	OH	$4,571	80.5
5	Census tract 39145002400	OH	$3,679	79.3
6	Census tract 39145002600	OH	$3,235	78.5
7	Census tract 39145004000	OH	$2,161	75.3
8	Census tract 39145002500	OH	$1,676	72.6
9	Census tract 39145002300	OH	$1,418	70.5
10	Census tract 39145002200	OH	$1,178	68.0
11	Census tract 39145003000	OH	$1,174	67.9
12	Census tract 39145002902	OH	$521	56.5
13	Census tract 39145002901	OH	$228	46.0
14	Census tract 39145003900	OH	$119	38.9
15	Census tract 39145003100	OH	$4	26.0
16	Census tract 39145003500	OH	$1	25.5
	Census tract 39145003300	OH	$0	0.0
	Census tract 39145003400	OH	$0	0.0
	Census tract 39145003600	OH	$0	0.0
	Census tract 39145003700	OH	$0	0.0
	1 lower-risk community was omitted from this report.			

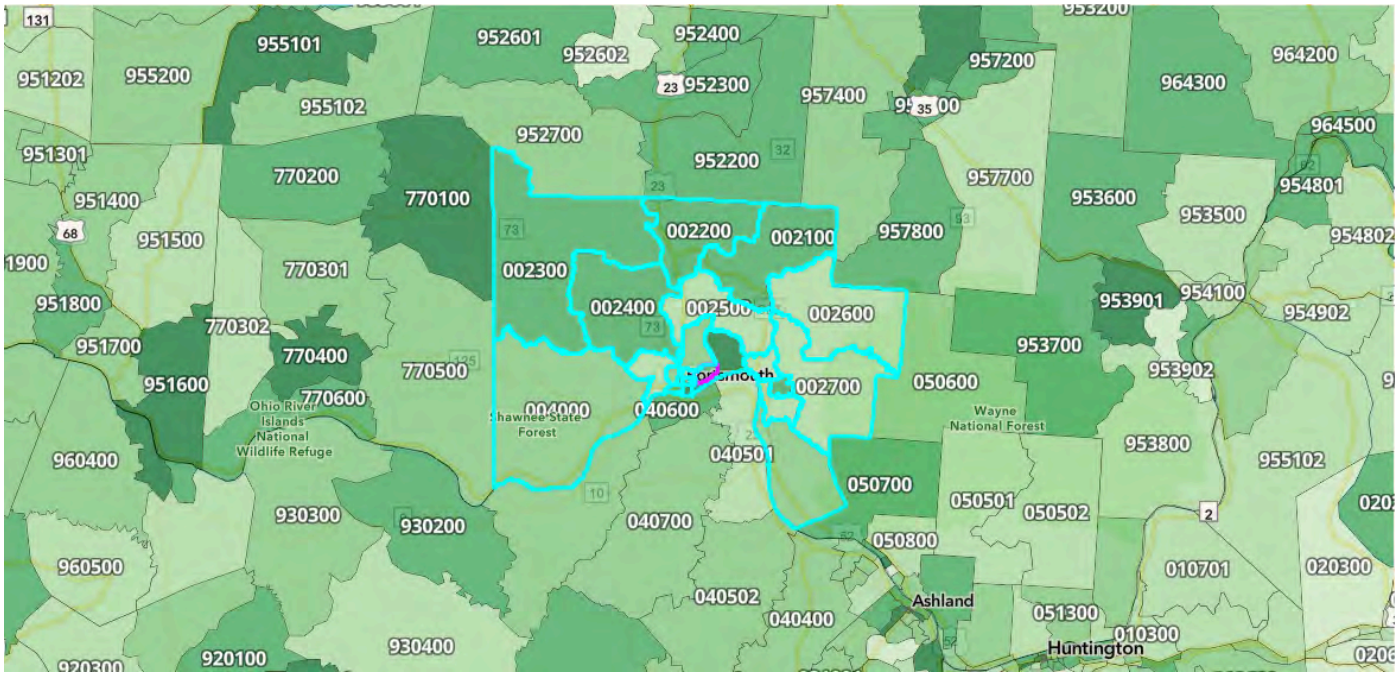
Winter Weather

Rank	Community	State	EAL Value	Score
1	Census tract 39145003600	OH	$14,491	91.5
2	Census tract 39145003800	OH	$11,685	89.3
3	Census tract 39145002400	OH	$11,607	89.2
4	Census tract 39145002800	OH	$10,886	88.4
5	Census tract 39145002100	OH	$10,798	88.3
6	Census tract 39145002200	OH	$10,460	87.9
7	Census tract 39145002300	OH	$10,446	87.9
	1 lower-risk community was omitted from this report.			

Rank	Community	State	EAL Value	Score
8	Census tract 39145003100	OH	$10,328	87.7
9	Census tract 39145002600	OH	$9,929	87.3
10	Census tract 39145002902	OH	$9,655	86.9
11	Census tract 39145002700	OH	$9,540	86.7
12	Census tract 39145003700	OH	$9,334	86.4
13	Census tract 39145004000	OH	$8,417	85.0
14	Census tract 39145003000	OH	$7,508	83.2
15	Census tract 39145003400	OH	$7,466	83.1
16	Census tract 39145002901	OH	$7,225	82.6
17	Census tract 39145003300	OH	$6,539	80.9
18	Census tract 39145003900	OH	$6,378	80.5
19	Census tract 39145002500	OH	$6,356	80.5
20	Census tract 39145003500	OH	$6,325	80.4
	1 lower-risk community was omitted from this report.			

Social Vulnerability

Social Vulnerability measures the susceptibility of social groups to the adverse impacts of natural hazards, including disproportionate death, injury, loss, or disruption of livelihood.



Social Vulnerability Legend

Very High | Relatively High | Relatively Moderate | Relatively Low | Very Low

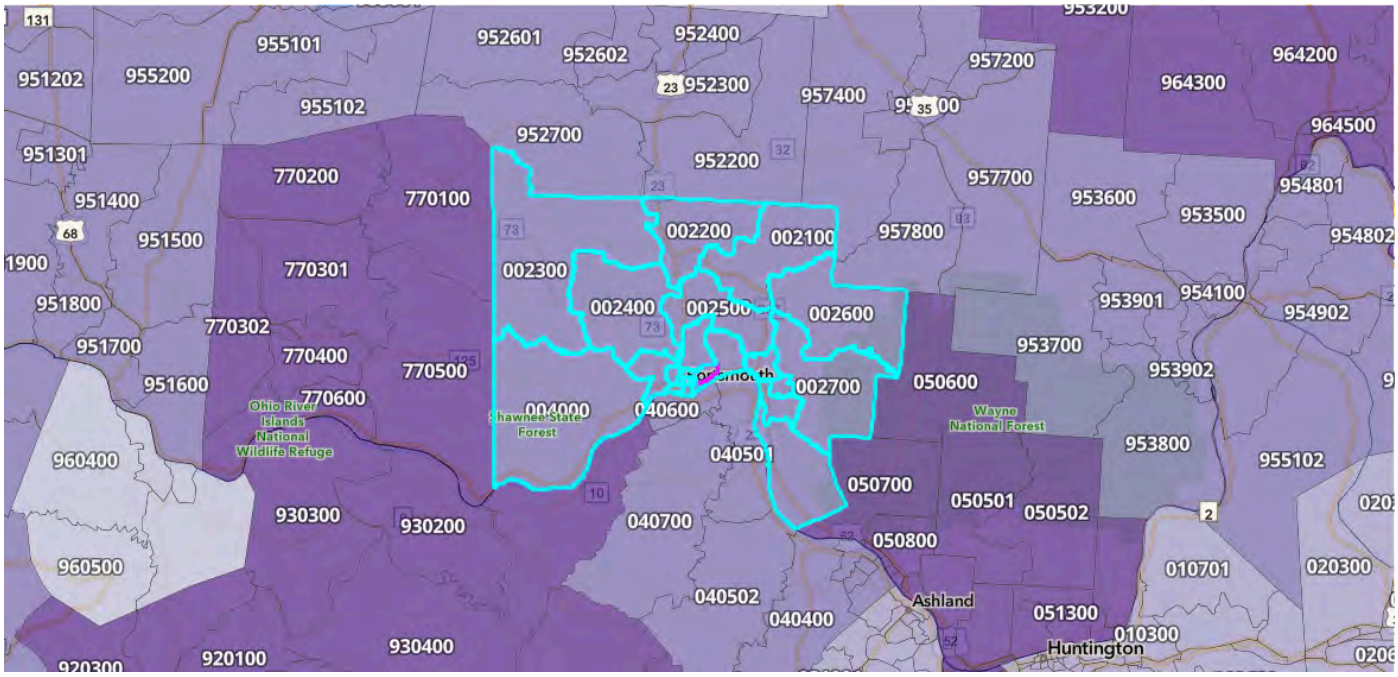
Data Unavailable

Rank	Community	State	Rating	Score
1	Census tract 39145003100	OH	Very High	87.5
2	Census tract 39145003400	OH	Very High	86.6
3	Census tract 39145003700	OH	Very High	86.1
4	Census tract 39145003500	OH	Very High	81.8
5	Census tract 39145003600	OH	Relatively High	79.8
6	Census tract 39145002100	OH	Relatively High	71.6
7	Census tract 39145002901	OH	Relatively High	67.4
8	Census tract 39145002300	OH	Relatively High	67.3
9	Census tract 39145002400	OH	Relatively High	65.0
10	Census tract 39145002200	OH	Relatively High	64.1
11	Census tract 39145003300	OH	Relatively Moderate	60.0
	1 lower-risk community was omitted from this report.			

Rank	Community	State	Rating	Score
12	Census tract 39145004000	OH	Relatively Moderate	55.9
13	Census tract 39145003800	OH	Relatively Moderate	54.5
14	Census tract 39145002800	OH	Relatively Moderate	40.1
15	Census tract 39145003000	OH	Relatively Low	39.1
16	Census tract 39145002600	OH	Relatively Low	38.7
17	Census tract 39145002902	OH	Relatively Low	36.8
18	Census tract 39145003900	OH	Relatively Low	26.8
19	Census tract 39145002700	OH	Relatively Low	26.0
20	Census tract 39145002500	OH	Relatively Low	20.4
	1 lower-risk community was omitted from this report.			

Community Resilience

Community Resilience measures a County's ability to prepare for anticipated natural hazards, adapt to changing conditions, and withstand and recover rapidly from disruptions.



Community Resilience Legend

Very High | Relatively High | Relatively Moderate | Relatively Low | Very Low

Data Unavailable

Rank	Community	State	Rating	Score
1	Census tract 39145002100	OH	Relatively Low	34.0
1	Census tract 39145002200	OH	Relatively Low	34.0
1	Census tract 39145002300	OH	Relatively Low	34.0
1	Census tract 39145002400	OH	Relatively Low	34.0
1	Census tract 39145002500	OH	Relatively Low	34.0
1	Census tract 39145002600	OH	Relatively Low	34.0
1	Census tract 39145002700	OH	Relatively Low	34.0
1	Census tract 39145002800	OH	Relatively Low	34.0
1	Census tract 39145002901	OH	Relatively Low	34.0
1	Census tract 39145002902	OH	Relatively Low	34.0
1	Census tract 39145003000	OH	Relatively Low	34.0
	1 lower-risk community was omitted from this report.			

Rank	Community	State	Rating	Score
1	Census tract 39145003100	OH	Relatively Low	34.0
1	Census tract 39145003300	OH	Relatively Low	34.0
1	Census tract 39145003400	OH	Relatively Low	34.0
1	Census tract 39145003500	OH	Relatively Low	34.0
1	Census tract 39145003600	OH	Relatively Low	34.0
1	Census tract 39145003700	OH	Relatively Low	34.0
1	Census tract 39145003800	OH	Relatively Low	34.0
1	Census tract 39145003900	OH	Relatively Low	34.0
1	Census tract 39145004000	OH	Relatively Low	34.0
	1 lower-risk community was omitted from this report.			

About the National Risk Index

The National Risk Index is a dataset and online tool to help illustrate the United States communities most at risk for 18 natural hazards: Avalanche, Coastal Flooding, Cold Wave, Drought, Earthquake, Hail, Heat Wave, Hurricane, Ice Storm, Landslide, Lightning, Riverine Flooding, Strong Wind, Tornado, Tsunami, Volcanic Activity, Wildfire, and Winter Weather.

The National Risk Index leverages available source data for Expected Annual Loss due to these 18 hazard types, Social Vulnerability, and Community Resilience to develop a baseline relative risk measurement for each United States county and Census tract. These measurements are calculated using average past conditions, but they cannot be used to predict future outcomes for a community. The National Risk Index is intended to fill gaps in available data and analyses to better inform federal, state, local, tribal, and territorial decision makers as they develop risk reduction strategies.

Explore the National Risk Index Map at **hazards.fema.gov/nri/map**.

Visit the National Risk Index website at **hazards.fema.gov/nri/learn-more** to access supporting documentation and links.

Calculating the Risk Index

Risk Index values are calculated using an equation* that combines values for Expected Annual Loss (EAL) due to natural hazards, with the Community Risk Factor (CRF), which is a function of Social Vulnerability and Community Resilience:

$$\text{Risk Index} = \text{Expected Annual Loss} \times \text{Community Risk Factor}$$

$$\text{where Community Risk Factor} = f\left(\frac{\text{Social Vulnerability}}{\text{Community Resilience}}\right)$$

*County-level risk values are derived by summing the risk values of all Census tracts within that county.

Risk is presented as a composite value and score for all 18 hazard types, as well as individual values and scores for each hazard type.

For more information, visit **hazards.fema.gov/nri/determining-risk**.

Calculating Expected Annual Loss

Expected Annual Loss values are calculated using an equation* that combines values for exposure, annualized frequency, and historic loss ratios for 18 hazard types:

$$\text{Expected Annual Loss} = \text{Exposure} \times \text{Annualized Frequency} \times \text{Historic Loss Ratio}$$

*Excluding Avalanche, Drought, Earthquake, and Tornado, EAL values for each hazard are calculated at the Census block level and summed together to determine Census tract and county-level hazard type EAL values.

Expected Annual Loss is presented as a composite value and score for all 18 hazard types, as well as individual values and scores for each hazard type.

For more information, visit **hazards.fema.gov/nri/expected-annual-loss**.

Calculating Social Vulnerability

Social Vulnerability is measured using the Social Vulnerability Index (SVI) published by the Centers for Disease Control and Prevention (CDC).

For more information, visit **hazards.fema.gov/nri/social-vulnerability**.

Calculating Community Resilience

Community Resilience is measured at the County level using the Baseline Resilience Indicators for Communities (HVRI BRIC) published by the University of South Carolina's Hazards and Vulnerability Research Institute (HVRI).

For more information, visit **hazards.fema.gov/nri/community-resilience**.

Values, Scores, and Ratings

The National Risk Index provides three different types of results for Risk and each component used to derive Risk: EAL, Social Vulnerability, and Community Resilience:

Values. Values for Risk and EAL are in units of dollars, representing the community's average economic loss from natural hazards each year. For Social Vulnerability and Community Resilience, values are the index values for the community provided by the source data sets.

Scores. Scores represent the national percentile ranking of the community's component value compared to all other communities at the same level (county or Census tract).

Ratings. Ratings refer to the qualitative terms that describe the relative risk of an area within the same geographic level. These rating categories range from "Very Low" to "Very High". Ratings for Social Vulnerability and Community Resilience are based on quintiles of those components' scores, while Risk and EAL ratings are based on more advanced statistical calculations on values . As a result, there is no fixed range of scores or values that correspond to the rating categories.

How to Take Action

There are many ways to reduce natural hazard risk through mitigation. Communities with high National Risk Index scores can take action to reduce risk by decreasing Expected Annual Loss due to natural hazards, decreasing Social Vulnerability, and increasing Community Resilience.

For information about how to take action and reduce your risk, visit **hazards.fema.gov/nri/take-action**.

Disclaimer

The National Risk Index (the Risk Index or the Index) and its associated data are meant for planning purposes only. This tool was created for broad nationwide comparisons and is not a substitute for localized risk assessment analysis. Nationwide datasets used as inputs for the National Risk Index are, in many cases, not as accurate as available local data. Users with access to local data for each National Risk Index risk factor should consider substituting the Risk Index data with local data to recalculate a more accurate risk index. If you decide to download the National Risk Index data and substitute it with local data, you assume responsibility for the accuracy of the data and any resulting data index. Please visit the **Contact Us** page if you would like to discuss this process further.

The methodology used by the National Risk Index has been reviewed by subject matter experts in the fields of natural hazard risk research, risk analysis, mitigation planning, and emergency management. The processing methods used to create the National Risk Index have produced results similar to those from other natural hazard risk analyses conducted on a smaller scale. The breadth and combination of geographic information systems (GIS) and data processing techniques leveraged by the National Risk Index enable it to incorporate multiple hazard types and risk factors, manage its nationwide scope, and capture what might have been missed using other methods.

The National Risk Index does not consider the intricate economic and physical interdependencies that exist across geographic regions. Keep in mind that hazard impacts in surrounding counties or Census tracts can cause indirect losses in your community regardless of your community's risk profile.

Nationwide data available for some risk factors are rudimentary at this time. The risk profiles for the vast majority of hazard types are based on historical frequency and loss data. They represent risk and expected annual loss based on average past conditions, not future predictions. The National Risk Index will be continuously updated as new data become available and improved methodologies are identified.

For comprehensive details about how the Risk Index can help you and its limitations, see the **National Risk Index Technical Documentation**

Assumption of Risk

In view of the identified limitations of the National Risk Index associated data, by using the data, you acknowledge and agree that FEMA makes no representations or warranties about the accuracy, completeness, or fitness for any particular purpose of the data; that the data is provided “as is” without warranty of any kind; that you assume full responsibility for any consequences that may arise, including financial losses, legal disputes, or other adverse outcomes; and that you release FEMA and the federal government from any liability that may arise to the extent allowable by law.

Attribution, No Endorsement

Please attribute your use of the National Risk Index and its associated data to the Federal Emergency Management Agency.

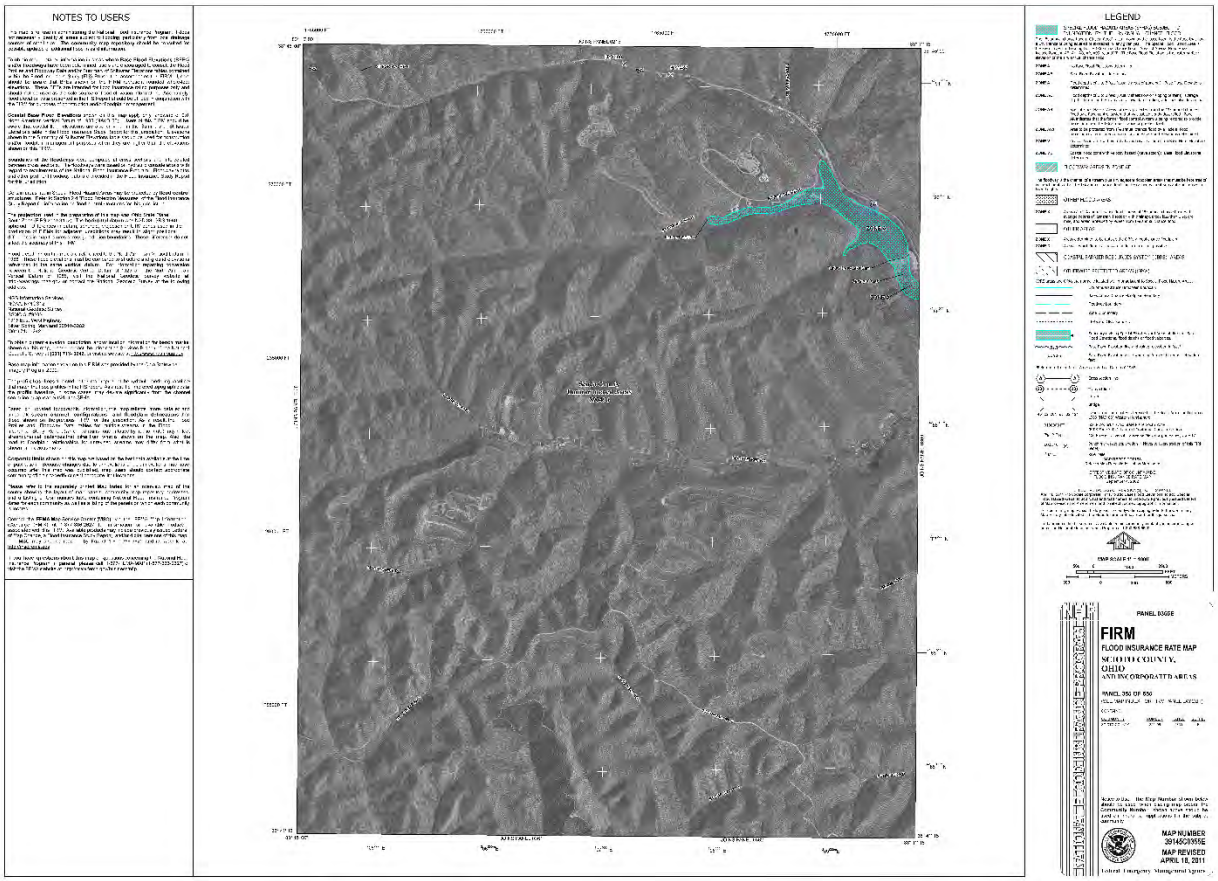
However, you acknowledge and agree that nothing herein constitutes and endorsement of you or your work by FEMA or the federal government, and you shall not imply through use of the National Risk Index or its associated data or through providing attribution, that FEMA or the federal government endorses you.

Preferred citation for the National Risk Index:

Zuzak, C., E. Goodenough, C. Stanton, M. Mowrer, A. Sheehan, B. Roberts, P. McGuire, and J. Rozelle. 2023. National Risk Index Technical Documentation. Federal Emergency Management Agency, Washington, DC.

The National Risk Index Contact Us page is available at **hazards.fema.gov/nri/contact-us**.

Appendix F: FEMA Flood Maps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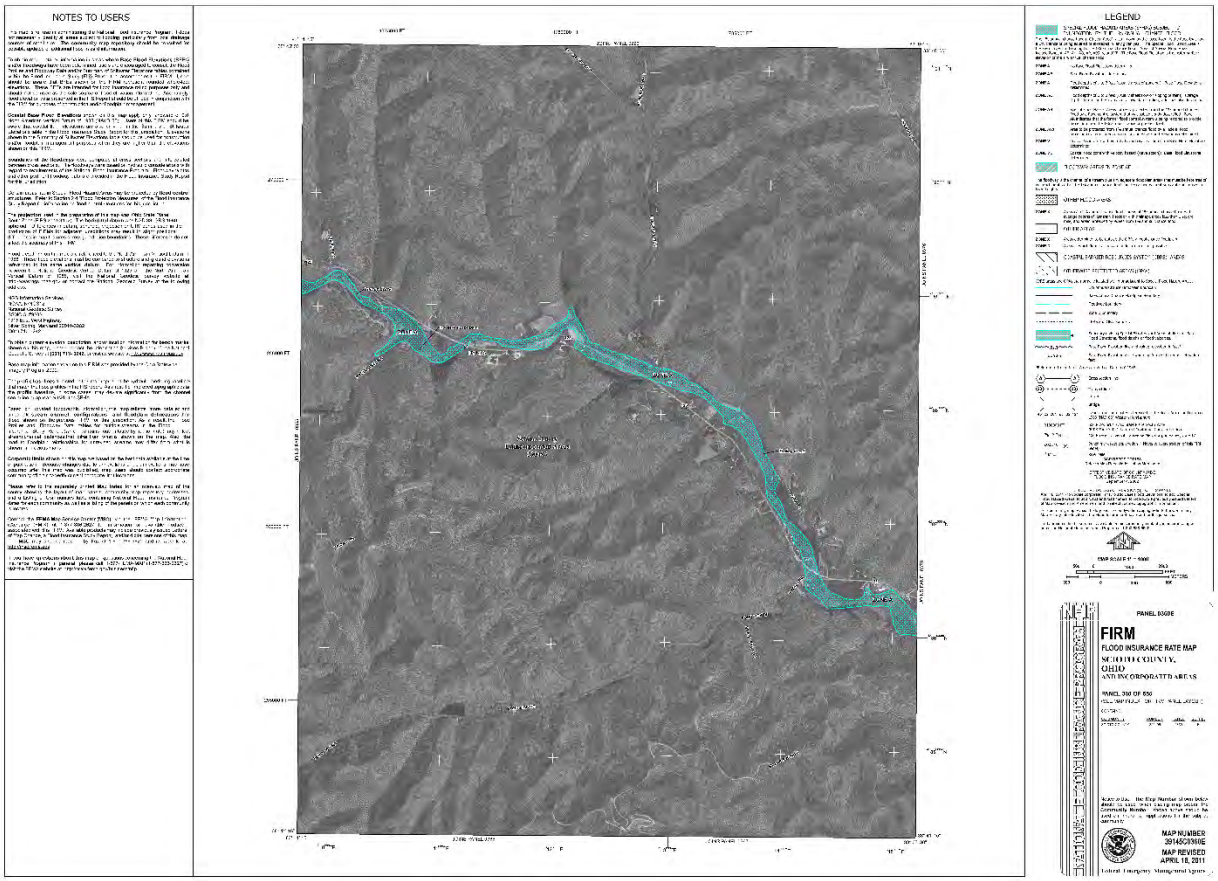
MAP REVISED
APRIL 16, 2011
Federal Emergency Management Agency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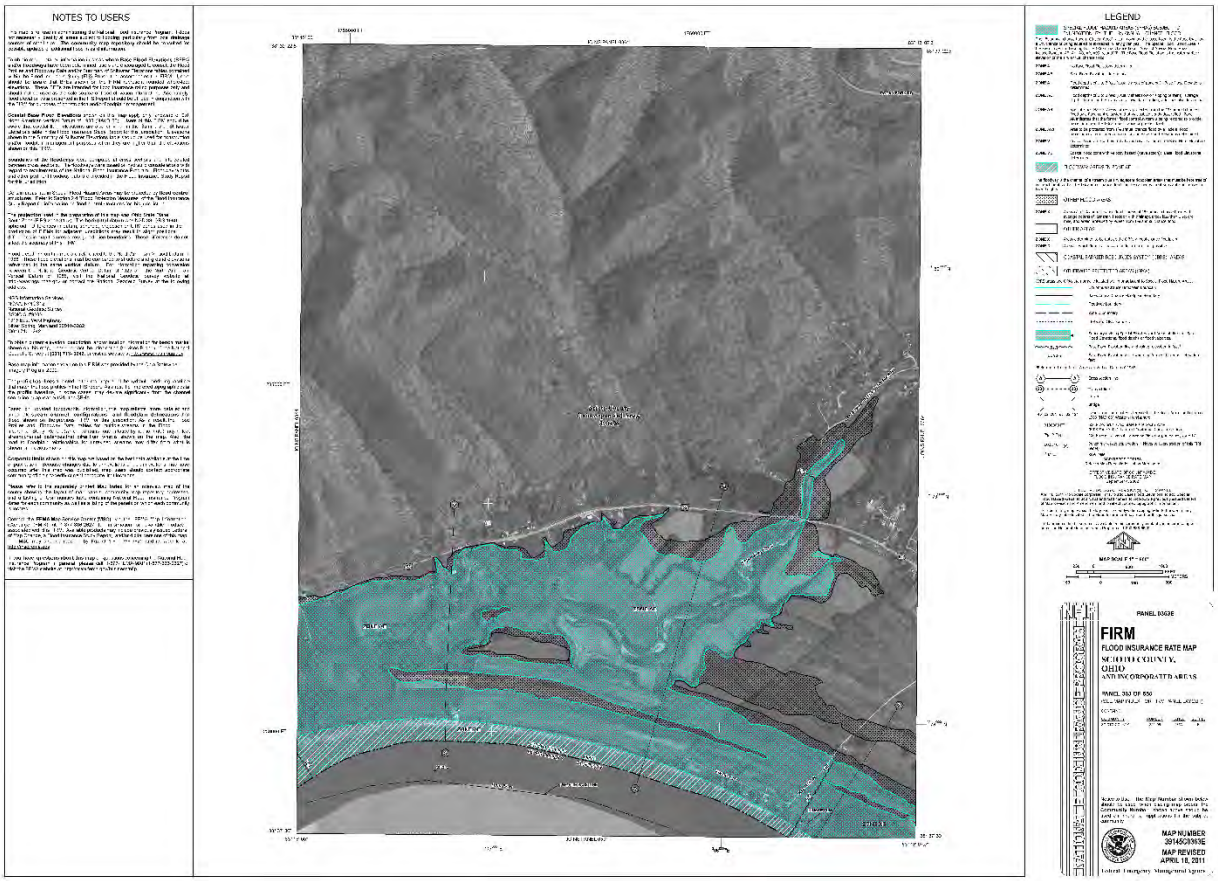
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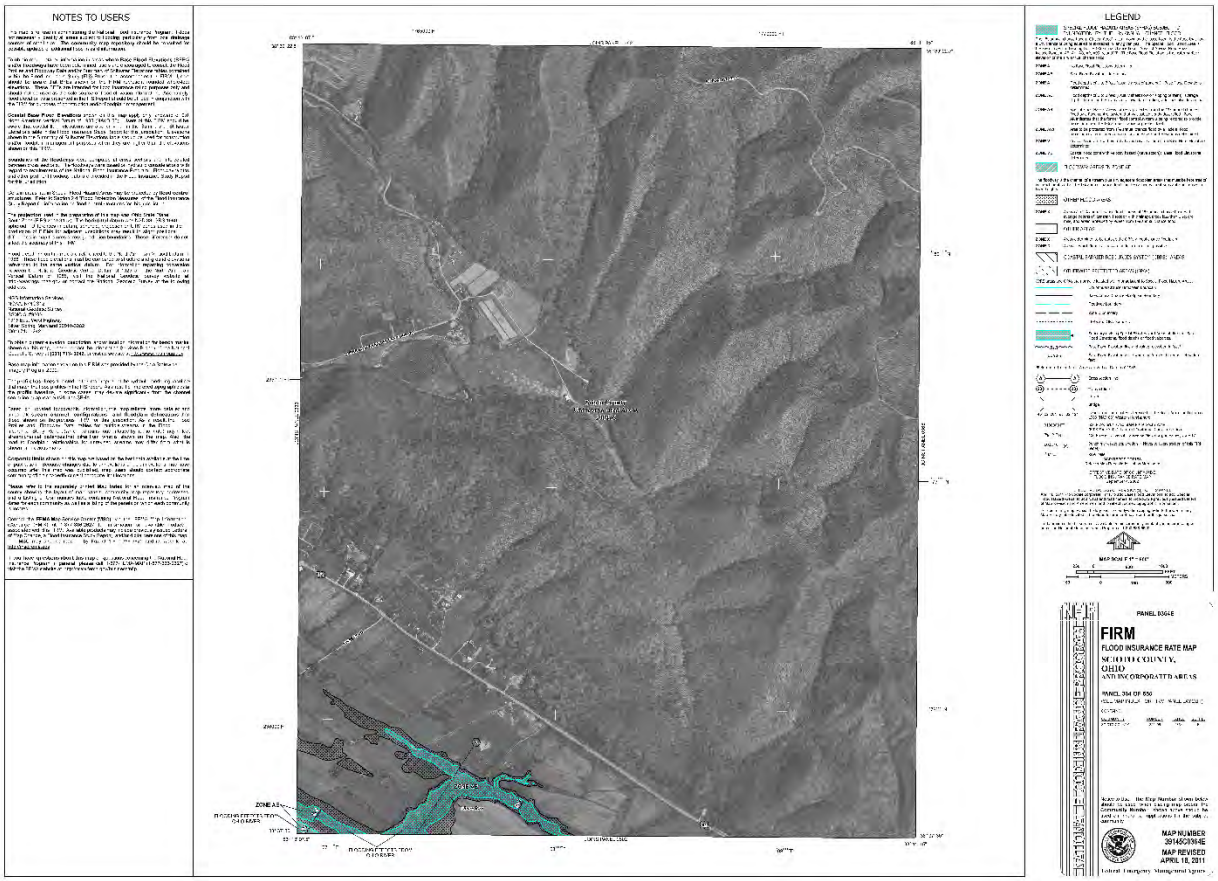
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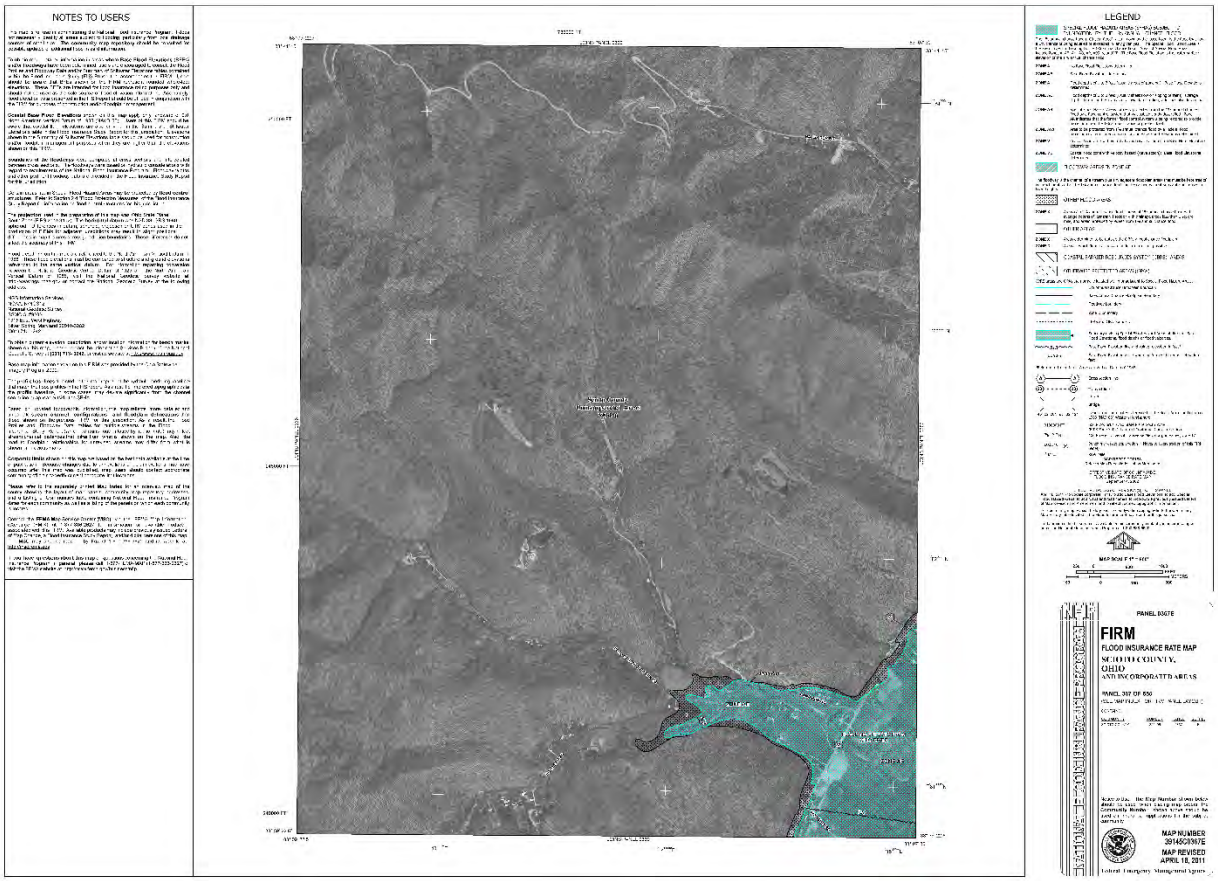
Federal Emergency Management Agency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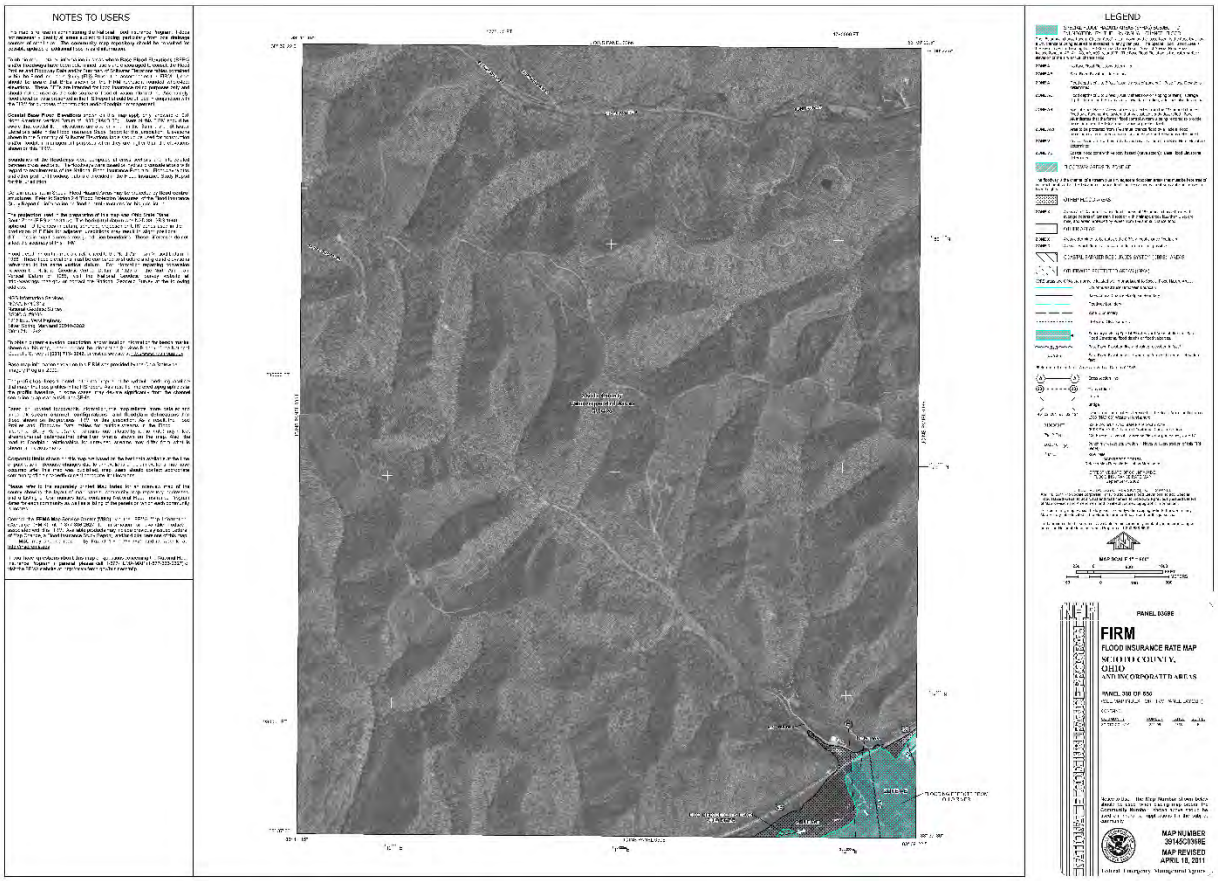
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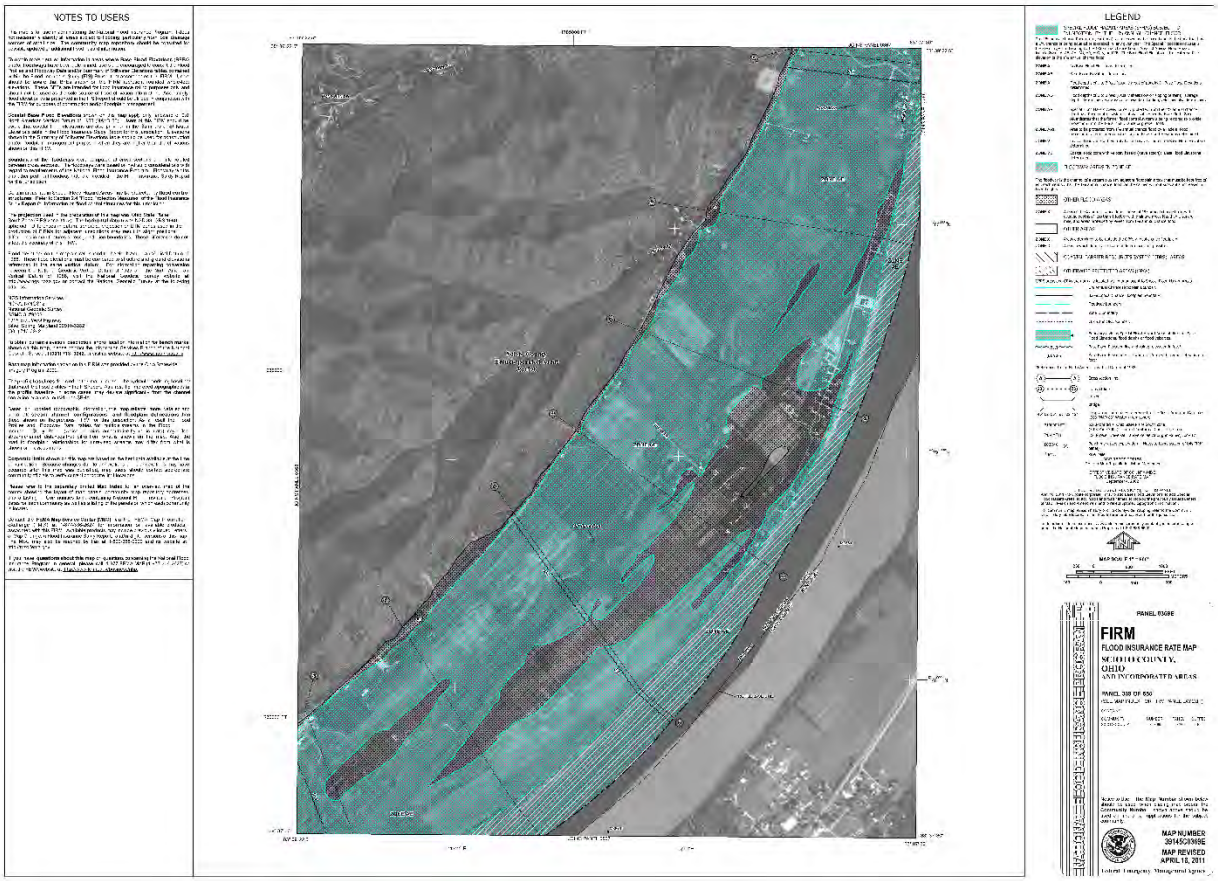
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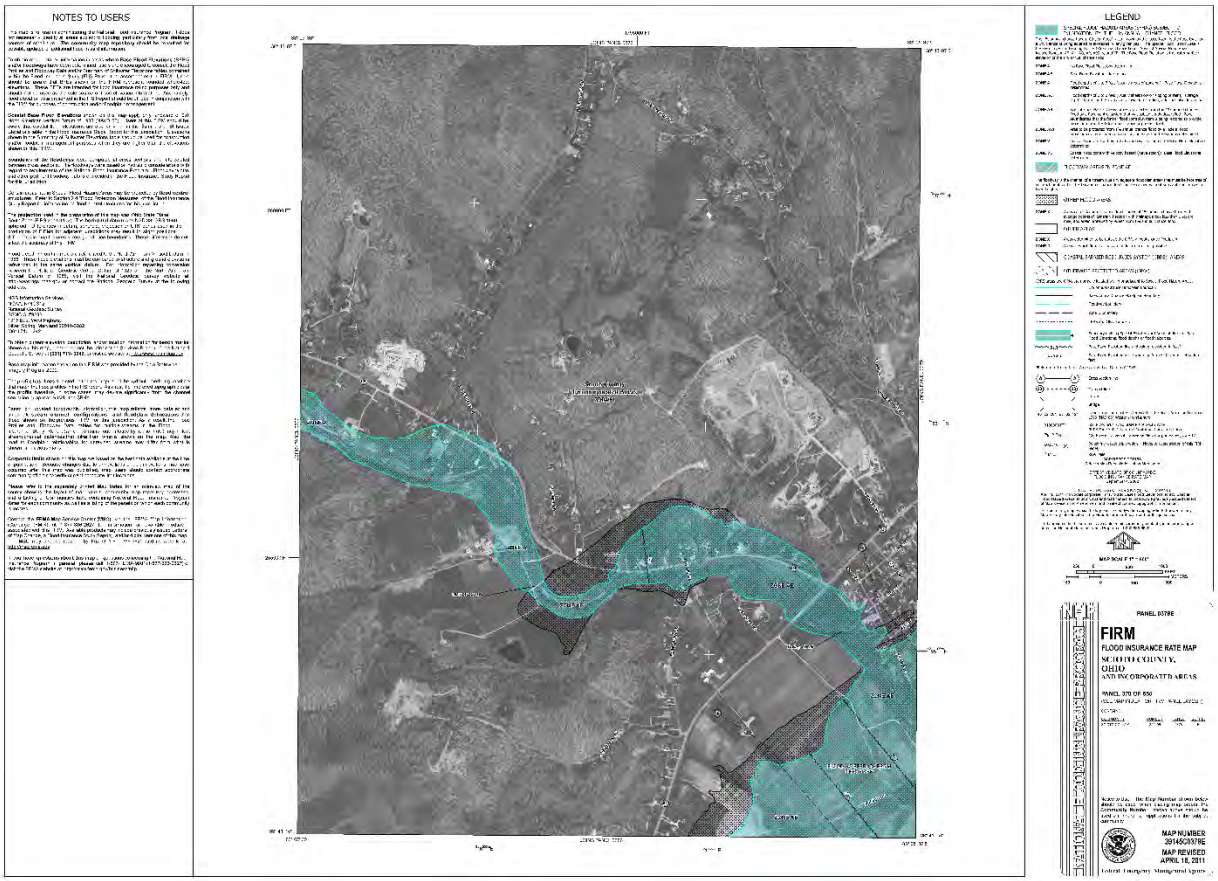
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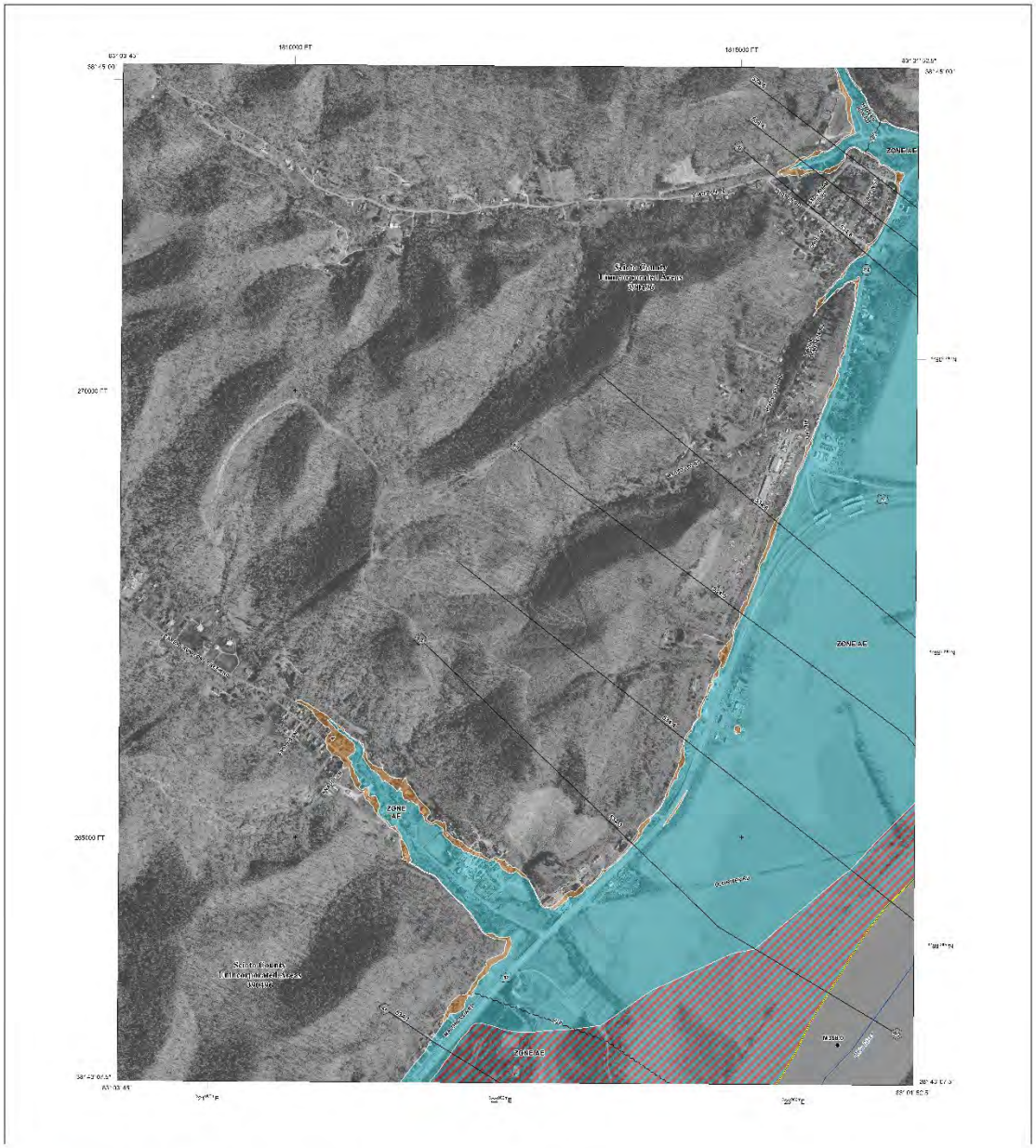

FLOOD HAZARD INFORMATION

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

THE INFORMATION DEPICTED ON THIS MAP AND SUPPORTING DOCUMENTATION ARE ALSO AVAILABLE IN DIGITAL FORMAT AT

HTTP://MSC.FEMA.GOV

SPECIAL FLOOD HAZARD AREAS	Without Base Flood Elevation (BFE) Zone A, AO With BFE or Depth Zone AE, AO, AH, VE, AR
	Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD	0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
	Future Conditions 1% Annual Chance Flood Hazard Zone X
	Area with Reduced Flood Risk due to Levee See Notes. Zone X
	NO SCREEN Area of Minimal Flood Hazard Zone X
OTHER AREAS	Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES	Channel, Culvert, or Storm Sewer
	Levee, Dike, or Floodwall
	18.2 E 17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
	8 Coastal Transect
	Coastal Transect Baseline
	Profile Baseline
	Hydrographic Feature
	513 Base Flood Elevation Line (BFE)
OTHER FEATURES	Limit of Study
	Jurisdiction Boundary

NOTES TO USERS

[illegible]

SCALE

Map Projection:
NAD 1983 State Plane Ohio South FIPS 3402 Feet
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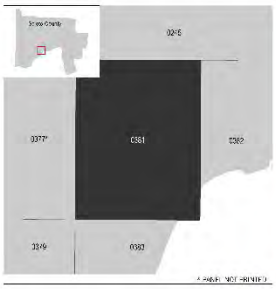
1 inch = 500 feet 1:6,000

0 500 1,000 2,000 feet

0 125 250 500 meters

PANEL LOCATOR



A PANEL NOT PRINTED

FEMA

National Flood Insurance Program

NATIONAL FLOOD INSURANCE PROGRAM
FLOOD INSURANCE RATE MAP

SCIOTO COUNTY, OHIO
and Incorporated Areas

PANEL 381 of 555

FEMA

Panel Contains:

COMMUNITY	NUMBER	PANEL	SUFFIX
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VERSION NUMBER
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MAP NUMBER
39145C0381F

MAP REVISED
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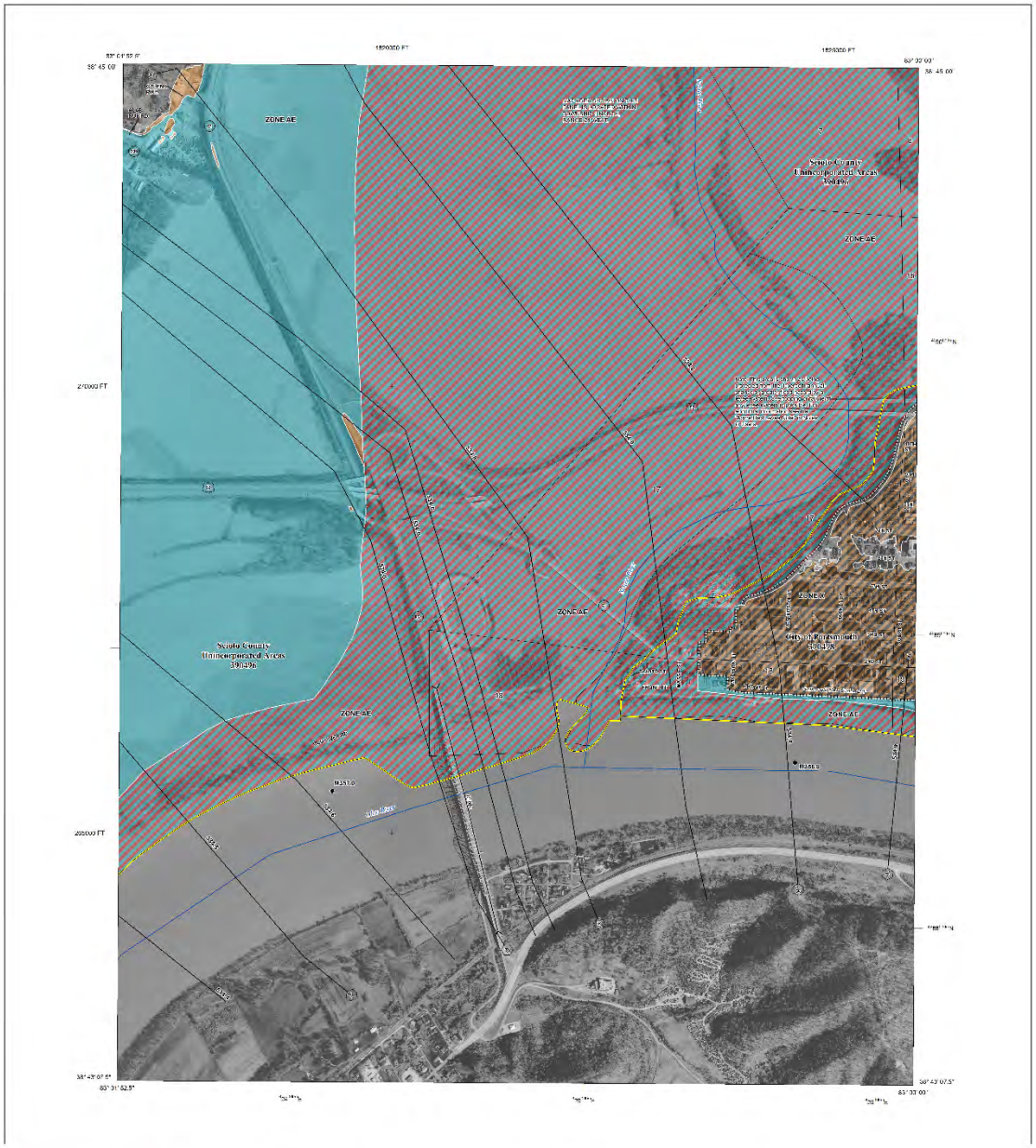
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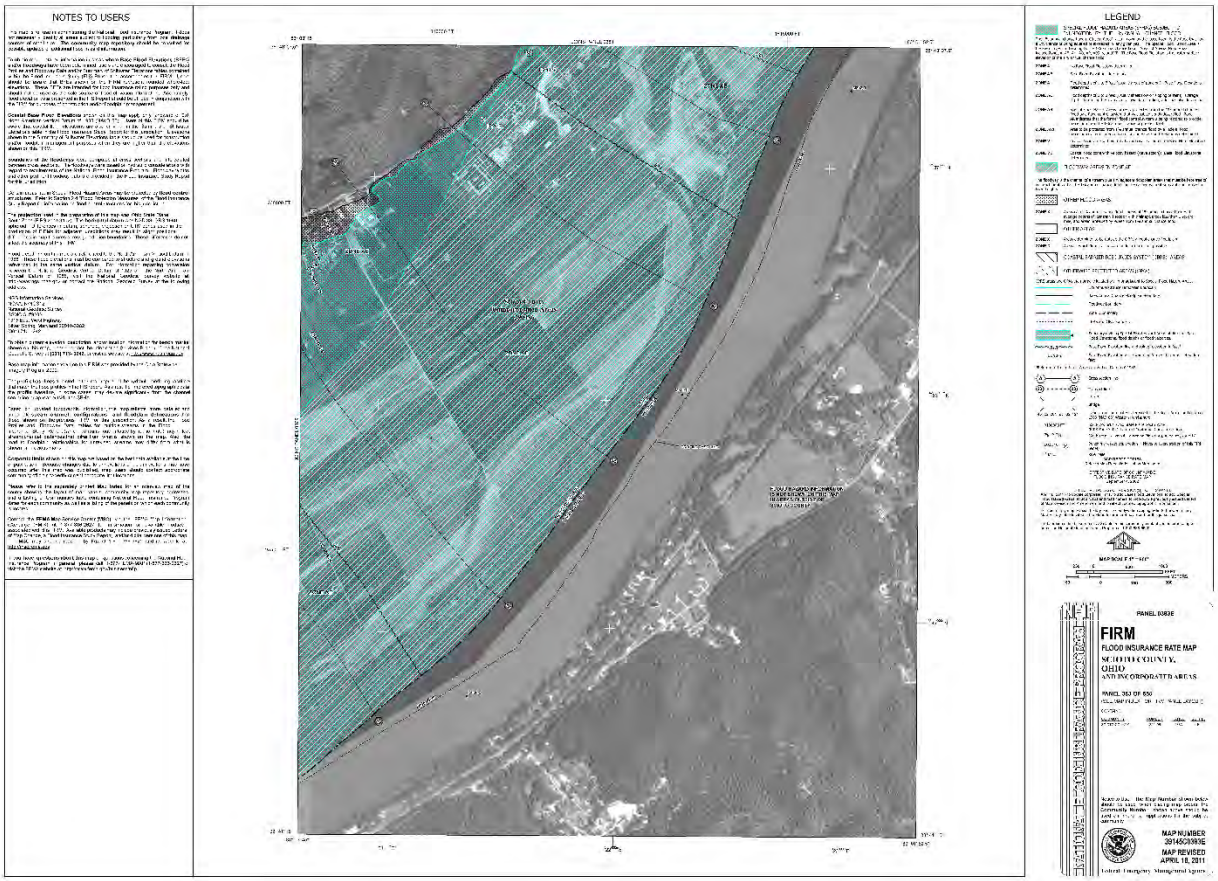
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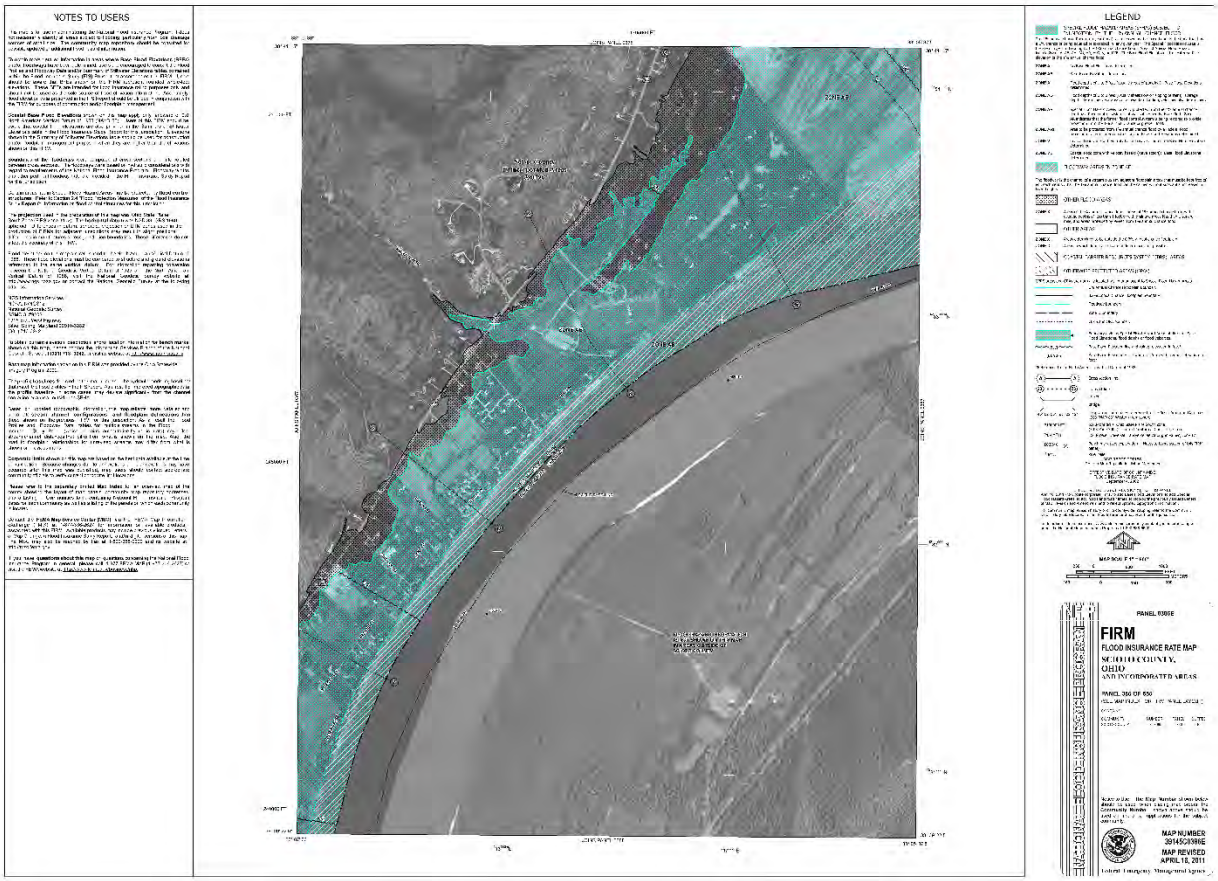
MAP NUMBER
MAP REVISED
APRIL 16, 2011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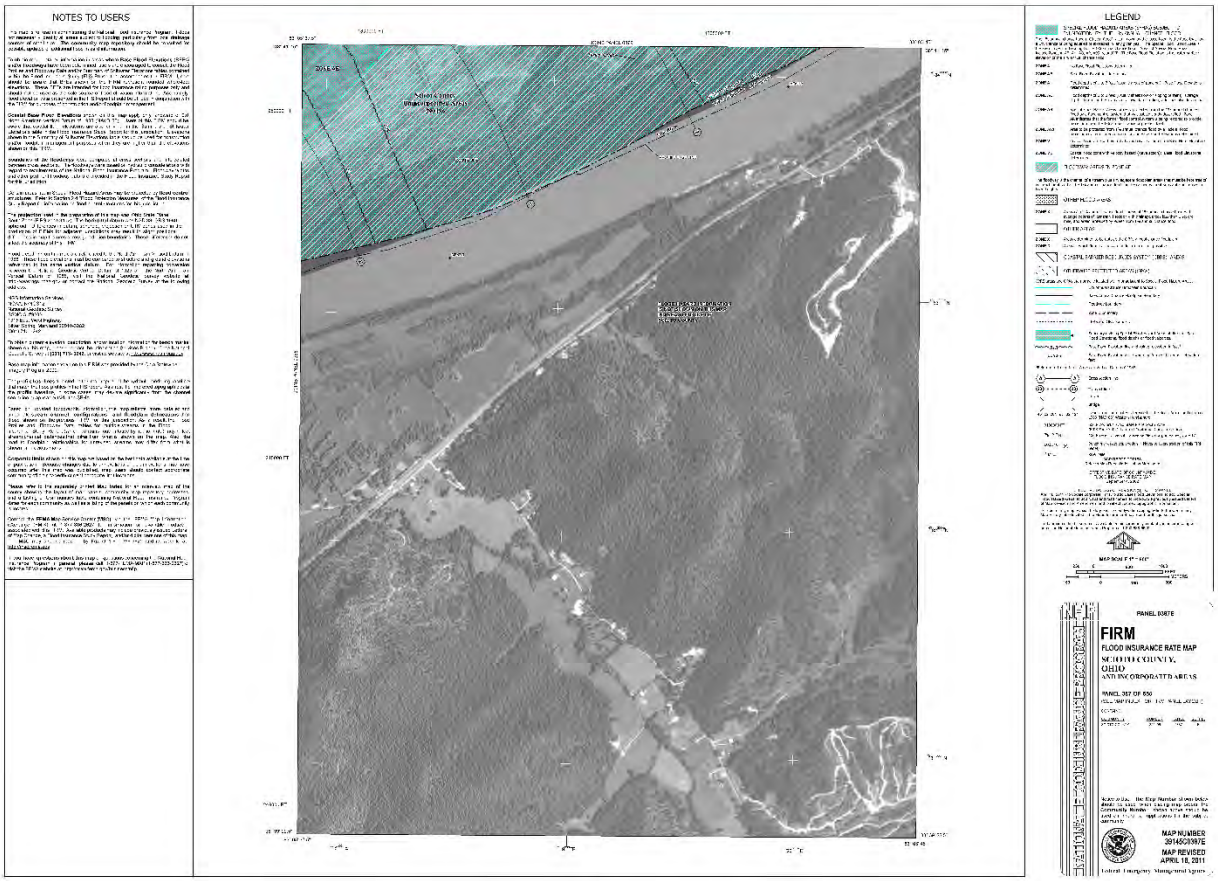
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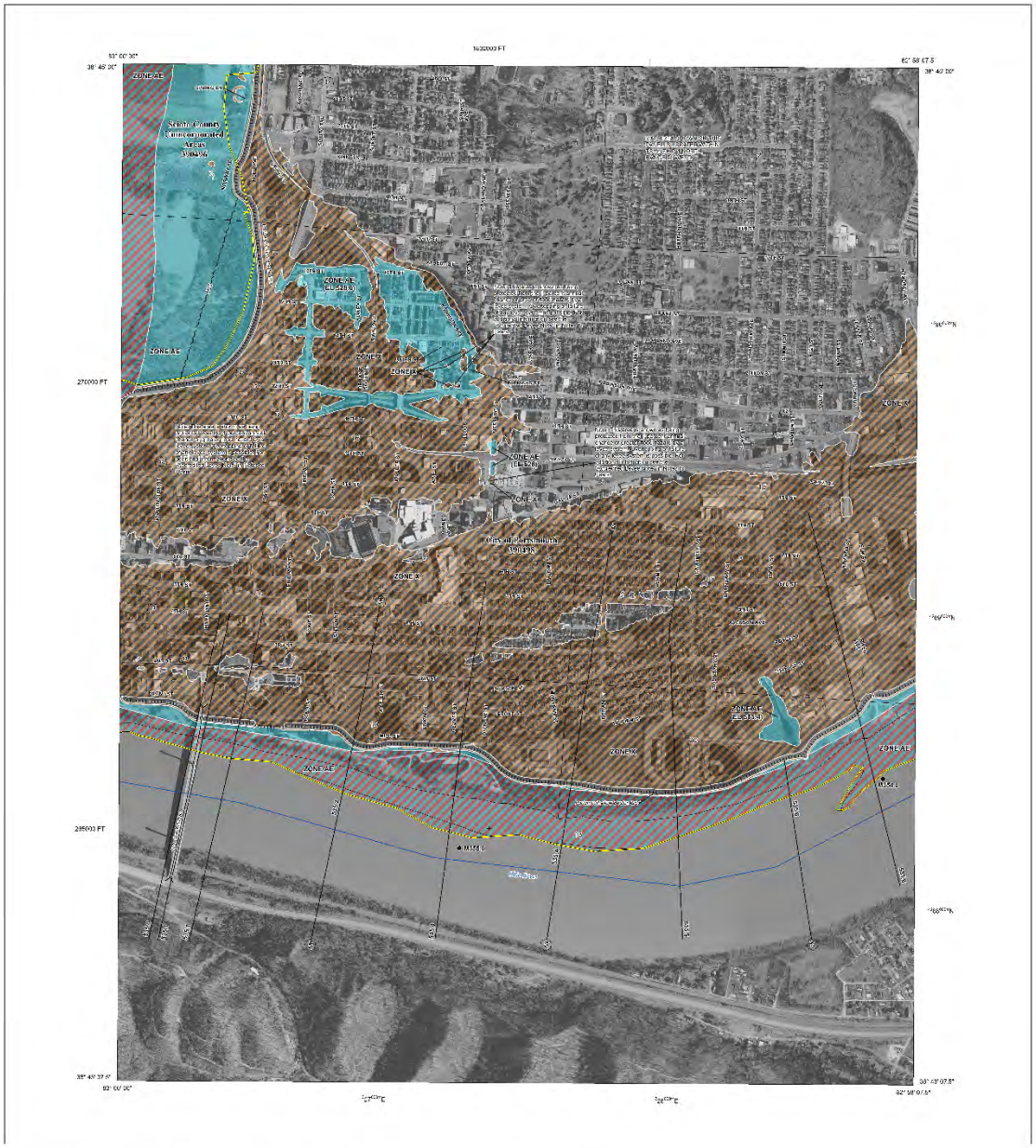
MAP REVISED APRIL 16, 2011
Federal Emergency Management Agency



FLOOD HAZARD INFORMATION

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

THE INFORMATION DEPICTED ON THIS MAP AND SUPPORTING DOCUMENTATION ARE ALSO AVAILABLE IN DIGITAL FORMAT AT

HTTP://MSC.FEMA.GOV

SPECIAL FLOOD HAZARD AREAS	Without Base Flood Elevation (BFE) *Zone A, V, A99*
	With BFE or Depth *Zone AE, AO, AH, VE, AR*
	Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD	0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
	Future Conditions 1% Annual Chance Flood Hazard *Zone X*
	Area with Reduced Flood Risk due to Levee See Notes. *Zone X*
	NO SCREEN Area of Minimal Flood Hazard *Zone X*
OTHER AREAS	Area of Undetermined Flood Hazard *Zone D*
GENERAL STRUCTURES	Channel, Culvert, or Storm Sewer
	Levee, Dike, or Floodwall
OTHER FEATURES	18.2 / 17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
	Coastal Transect
	Coastal Transect Baseline
	Profile Baseline
	Hydrographic Feature
	513 Base Flood Elevation Line (BFE)
	Limit of Study
	Jurisdiction Boundary

NOTES TO USERS

[illegible]

ACCREDITED LEVEE. [illegible]

SCALE

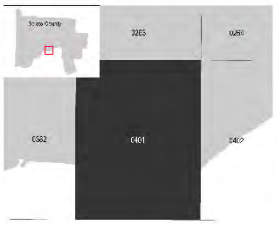
Map Projection:
NAD 1983 StPlane Ohio South FIPS 3402 Feet
Horizontal Datum: NAD 83 Datum NAVD 88

1 inch = 500 feet 1:6,000

0 500 1,000 2,000 feet

0 125 250 500 meters

PANEL LOCATOR



PANEL NOT PRINTED

FEMA

National Flood Insurance Program

NATIONAL FLOOD INSURANCE PROGRAM
FLOOD INSURANCE RATE MAP

SCIOTO COUNTY, OHIO
and Incorporated Areas

PANEL 401 of 555

FEMA

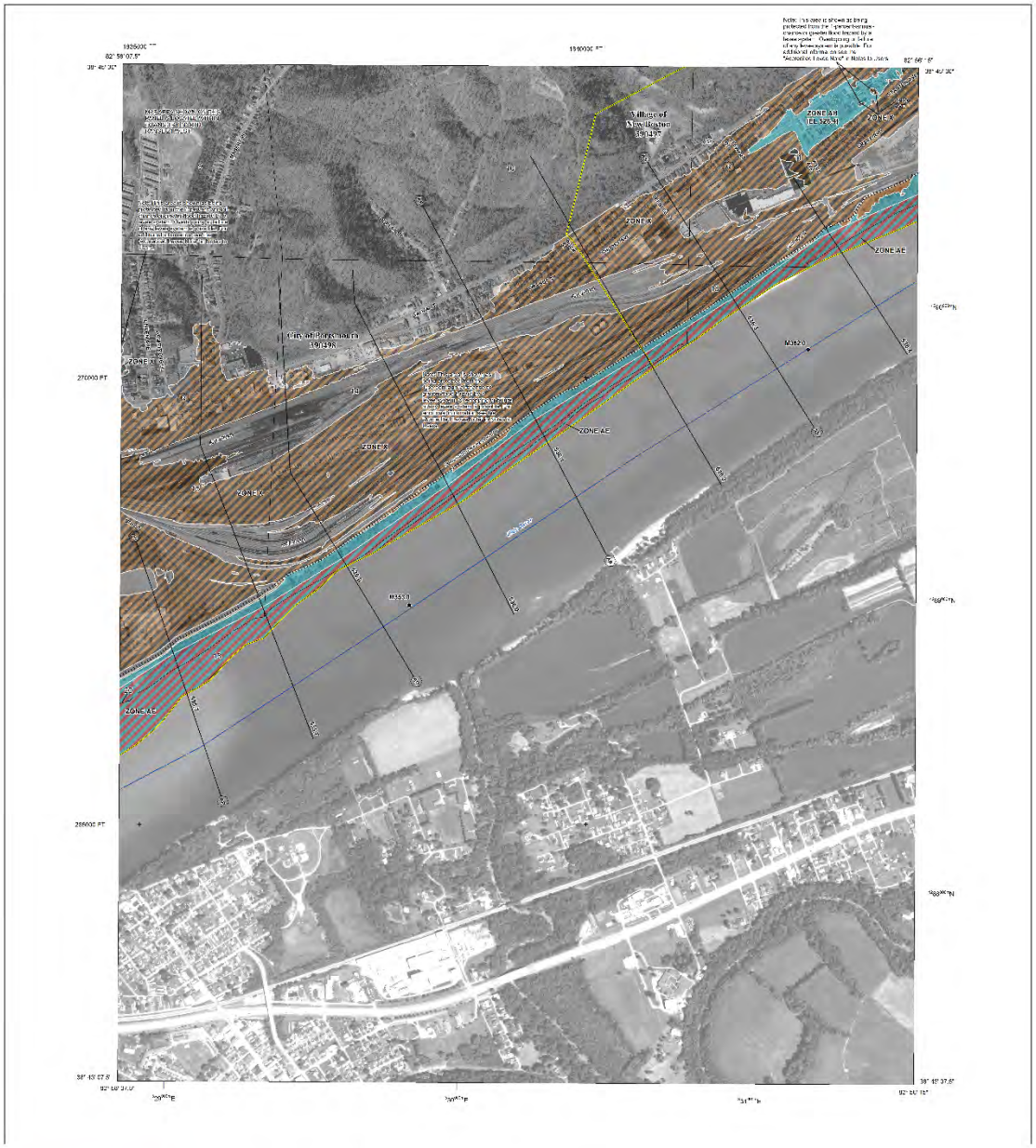
Panel Contains:

COMMUNITY	NUMBER	PANEL	SUFFIX
[illegible]	[illegible]	0401	F
[illegible]	[illegible]	0402	F

VERSION NUMBER
2.4.2.0

MAP NUMBER
39145C0401F

MAP REVISED
JUNE 19, 2020



FLOOD HAZARD INFORMATION

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

THE INFORMATION DEPICTED ON THIS MAP AND SUPPORTING DOCUMENTATION ARE ALSO AVAILABLE IN DIGITAL FORMAT AT

HTTP://MSC.FEMA.GOV

SPECIAL FLOOD HAZARD AREAS	Without Base Flood Elevation (BFE) *Zone A, V, A99*
	With BFE or Depth *Zone AE, AO, AH, VE, AR*
	Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD	0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
	Future Conditions 1% Annual Chance Flood Hazard *Zone X*
	Area with Reduced Flood Risk due to Levee See Notes. *Zone X*
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GENERAL STRUCTURES	Channel, Culvert, or Storm Sewer
	Levee, Dike, or Floodwall
	18.2 17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
	Coastal Transect
	Coastal Transect Baseline
	Profile Baseline
	Hydrographic Feature
	513 Base Flood Elevation Line (BFE)
OTHER FEATURES	Limit of Study
	Jurisdiction Boundary

NOTES TO USERS

[illegible]

SCALE

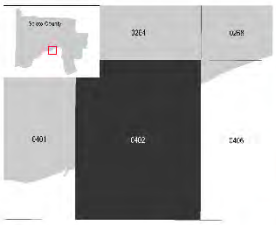
Map Projection:
NAD 1983 StatePlane Ohio South FIPS 3402 Feet
Projection: Transverse Mercator, Datum: NAD 83

1 inch = 500 feet 1:6,000

0 500 1,000 2,000 feet

0 125 250 500 meters

PANEL LOCATOR



PANEL NOT PRINTED

FEMA

National Flood Insurance Program

NATIONAL FLOOD INSURANCE PROGRAM
FLOOD INSURANCE RATE MAP

SCIOTO COUNTY, OHIO
and Incorporated Areas

PANEL 402 of 555

FEMA

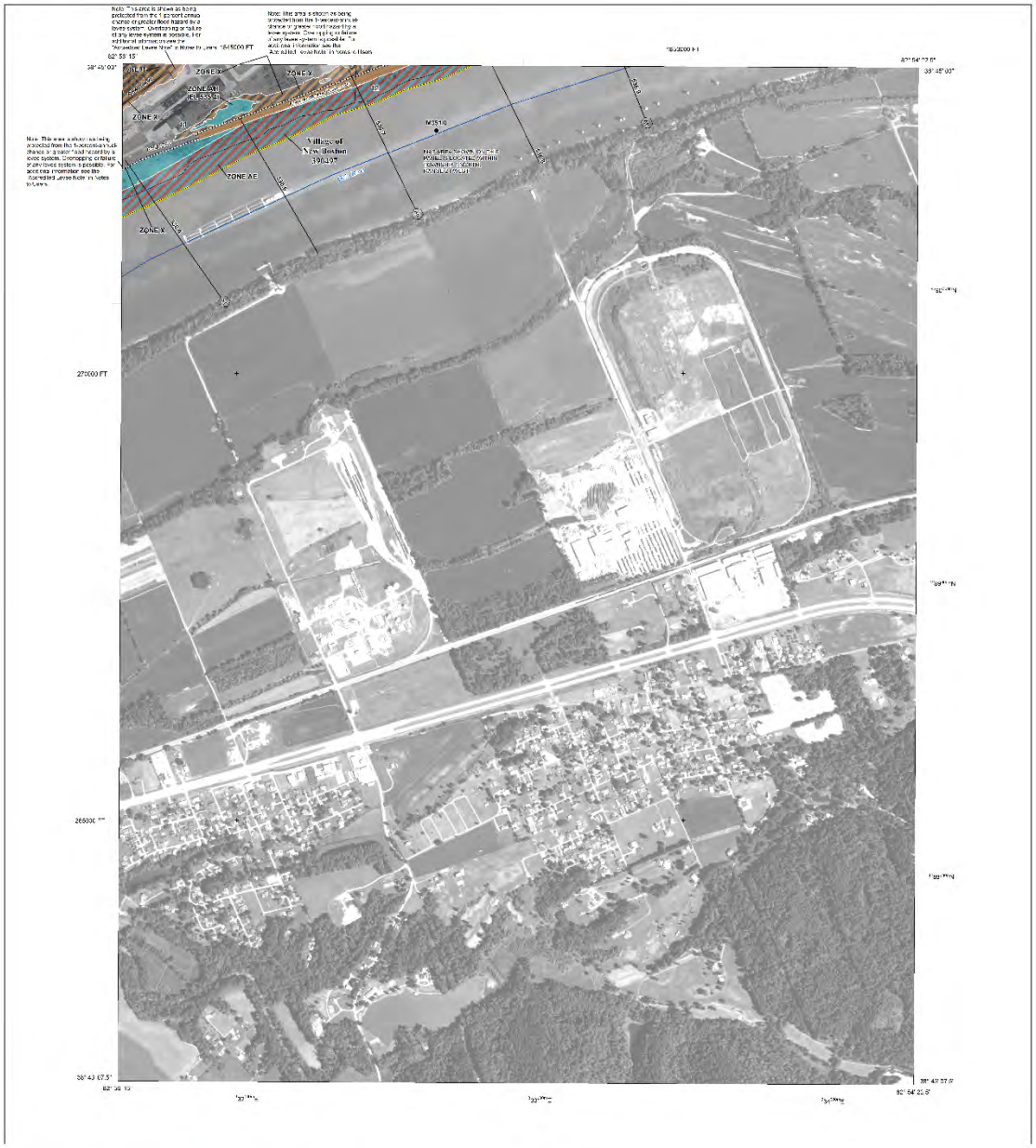
Panel Contains:

COMMUNITY	NUMBER	PANEL	SUFFIX
NEW BOSTON, VILLAGE OF	390467	0402	F
PORTSMOUTH, CITY OF	390169	0402	F

VERSION NUMBER
2.4.2.0

MAP NUMBER
39145C0402F

MAP REVISED
JUNE 19, 2020



FLOOD HAZARD INFORMATION

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THE INFORMATION DEPICTED ON THIS MAP AND SUPPORTING DOCUMENTATION ARE ALSO AVAILABLE IN DIGITAL FORMAT AT

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	8 Coastal Transect
	Coastal Transect Baseline
	Profile Baseline
	Hydrographic Feature
	513 Base Flood Elevation Line (BFE)
OTHER FEATURES	Limit of Study
	Jurisdiction Boundary

NOTES TO USERS

[illegible]

ACCREDITED LEVEE. Check with your local community to obtain more information, such as maps of the levee and documentation of the most recent inspection, results of Statewide Levee Assessment, and the FEMA Levee Screening Tool. [illegible]

SCALE

Map Projection:
NAD 1983 StatePlane Ohio South FIPS 3402 Feet
Projection: Transverse Mercator, Datum: NAD 83

1 inch = 500 feet 1:6,000

0 500 1,000 2,000 feet

0 125 250 500 meters

PANEL LOCATOR

A PANEL NOT PRINTED

FEMA

National Flood Insurance Program

NATIONAL FLOOD INSURANCE PROGRAM
FLOOD INSURANCE RATE MAP

SCIOTO COUNTY, OHIO
and Incorporated Areas

PANEL **406** of **555**

FEMA

Panel Contains:

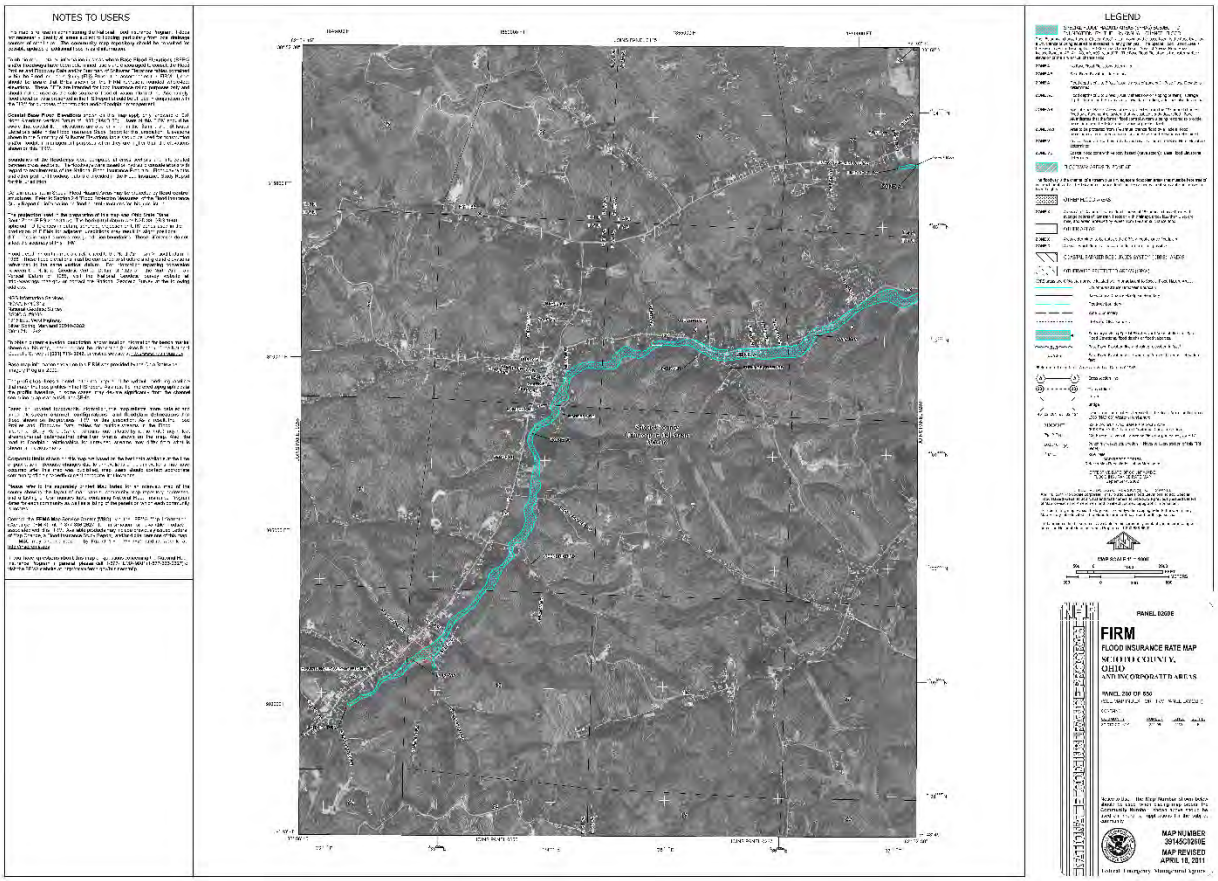
COMMUNITY	NUMBER	PANEL	SUFFIX
NEW BOSTON, VILLAGE OF	390467	0406	F

VERSION NUMBER
2.4.2.0

MAP NUMBER
3914500406F

MAP REVISED
JUNE 19, 2020

NOTES TO USERS
LEGEND
FIRM
FLOOD INSURANCE RATE MAP
SCIOTO COUNTY, OHIO
UNINCORPORATED AREAS
MAP NUMBER
39145C0255E
MAP REVISED
APRIL 16, 2011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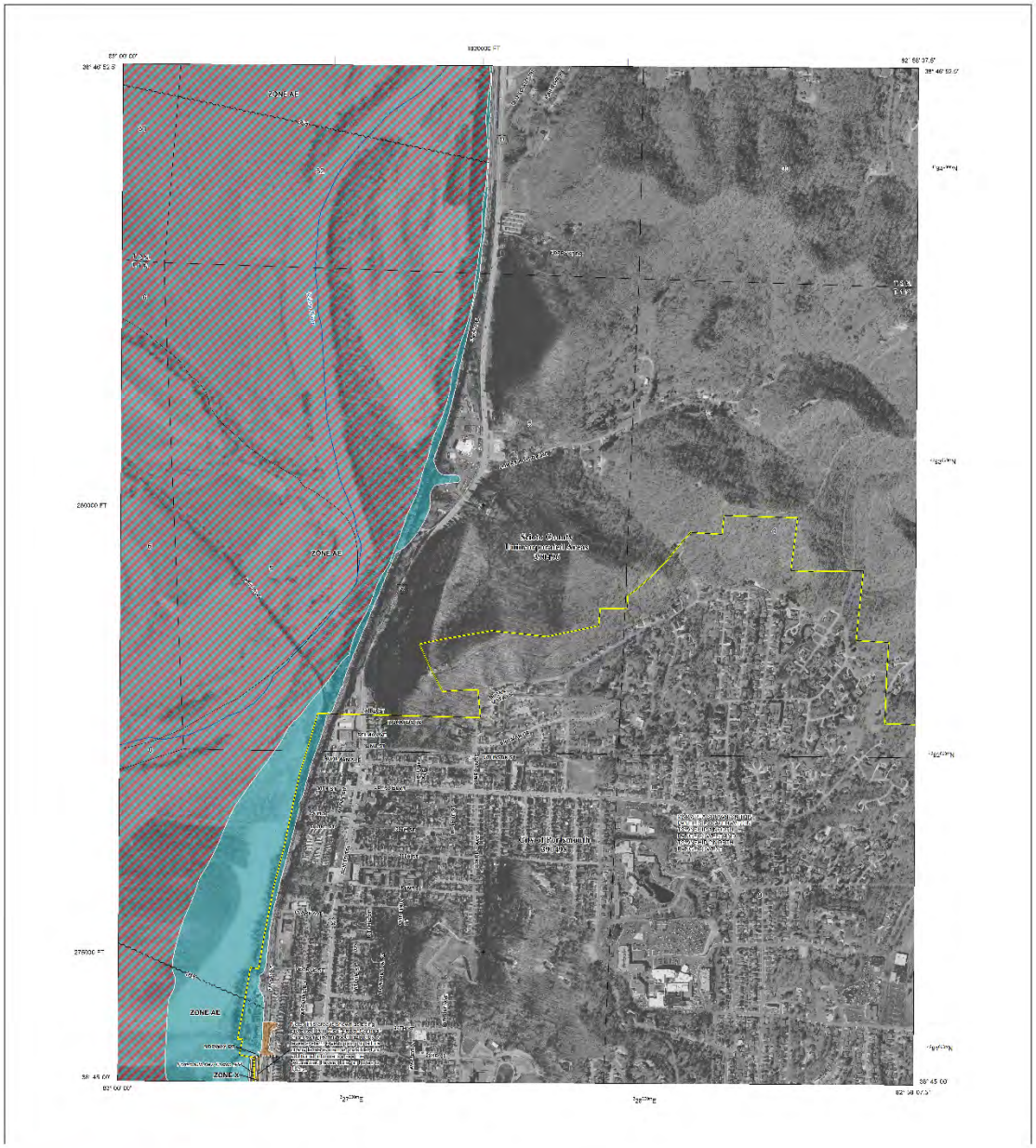
FIRM
FLOOD INSURANCE RATE MAP
SCIOTO COUNTY, OHIO
MAP NUMBER
MAP REVISED
APRIL 16, 2011



FLOOD HAZARD INFORMATION

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

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HTTP://MSC.FEMA.GOV

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	With BFE or Depth *Zone AE, AO, AH, VE, AR*
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	Levee, Dike, or Floodwall
	18.2 E 17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
	8 Coastal Transect
	Coastal Transect Baseline
	Profile Baseline
	Hydrographic Feature
	513 Base Flood Elevation Line (BFE)
OTHER FEATURES	Limit of Study
	Jurisdiction Boundary

NOTES TO USERS

[illegible]

ACCREDITED LEVEE. [illegible]

SCALE

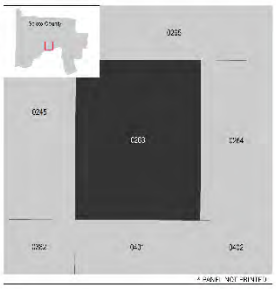
Map Projection:
NAD 1983 StatePlane Ohio South FIPS 3402 Feet
Projection: Transverse Mercator
Datum: NAD 83

1 inch = 500 feet 1:6,000

0 500 1,000 2,000 feet

0 125 250 500 meters

PANEL LOCATOR



A PANEL NOT PRINTED

FEMA

National Flood Insurance Program

NATIONAL FLOOD INSURANCE PROGRAM
FLOOD INSURANCE RATE MAP

SCIOTO COUNTY, OHIO
[illegible]

PANEL 263 OF 555

FEMA

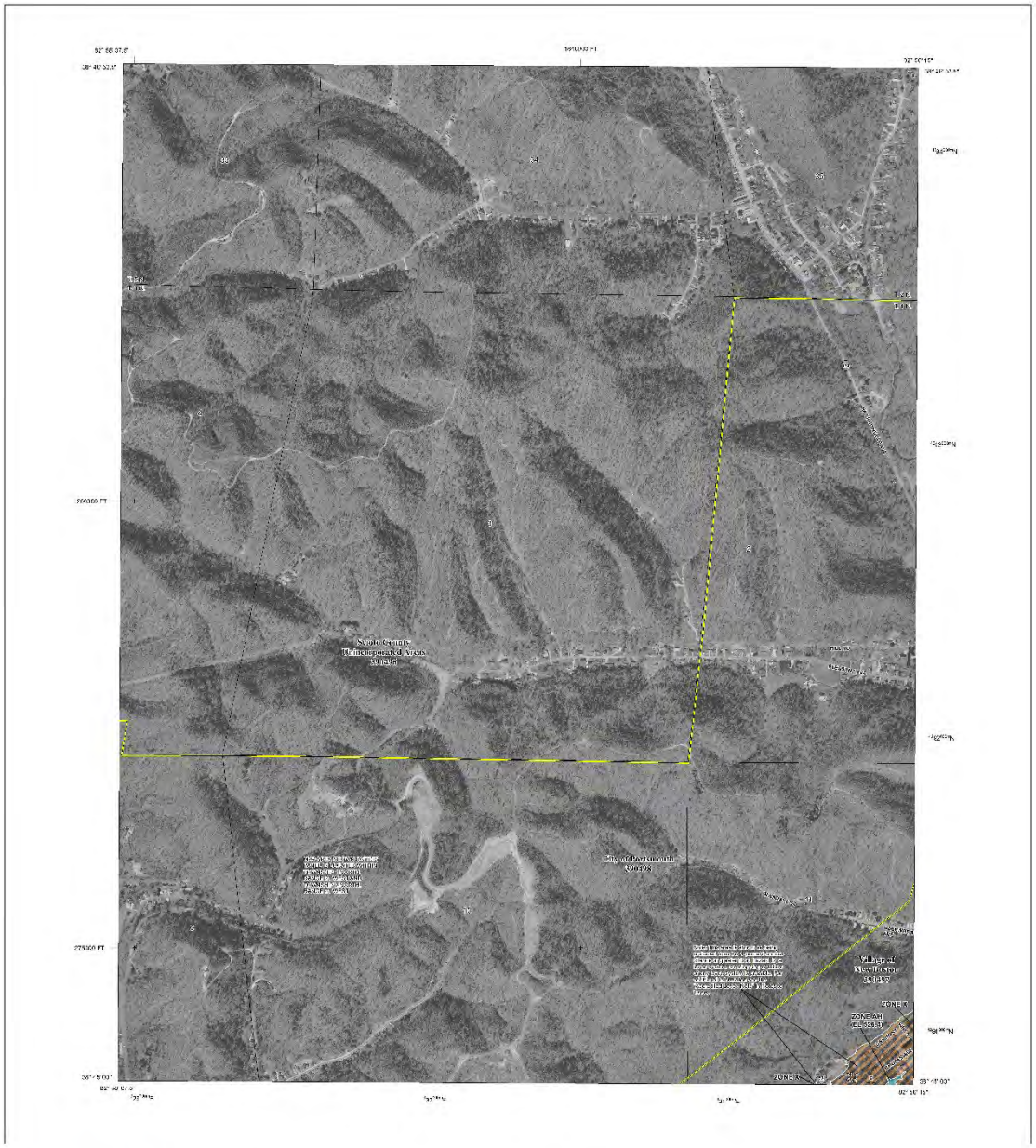
Panel Contains:

COMMUNITY	NUMBER	PANEL	SUFFIX
[illegible]	[illegible]	[illegible]	[illegible]

VERSION NUMBER
2.4.2.0

MAP NUMBER
3914500263F

MAP REVISED
JUNE 19, 2020



FLOOD HAZARD INFORMATION

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

THE INFORMATION DEPICTED ON THIS MAP AND SUPPORTING DOCUMENTATION ARE ALSO AVAILABLE IN DIGITAL FORMAT AT

HTTP://MSC.FEMA.GOV

SPECIAL FLOOD HAZARD AREAS	Without Base Flood Elevation (BFE) Zone A, AO With BFE or Depth Zone AE, AO, AH, VE, AR
	Regulatory Floodway
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	8 Coastal Transect
	Coastal Transect Baseline
	Profile Baseline
	Hydrographic Feature
	513 Base Flood Elevation Line (BFE)
OTHER FEATURES	Limit of Study
	Jurisdiction Boundary

SCALE

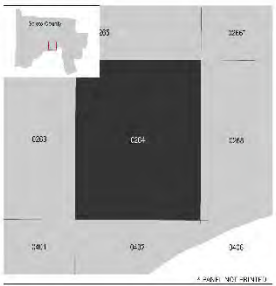
Map Projection:
NAD 1983 State Plane Ohio South FIPS 3402 Feet
Horizontal Datum: North American Datum 1983

1 inch = 500 feet 1:6,000

0 500 1,000 2,000 feet

0 125 250 500 meters

PANEL LOCATOR



A PANEL NOT PRINTED

FEMA

National Flood Insurance Program

NATIONAL FLOOD INSURANCE PROGRAM
FLOOD INSURANCE RATE MAP

SCIOTO COUNTY, OHIO
and Incorporated Areas

PANEL 264 OF 555

FEMA

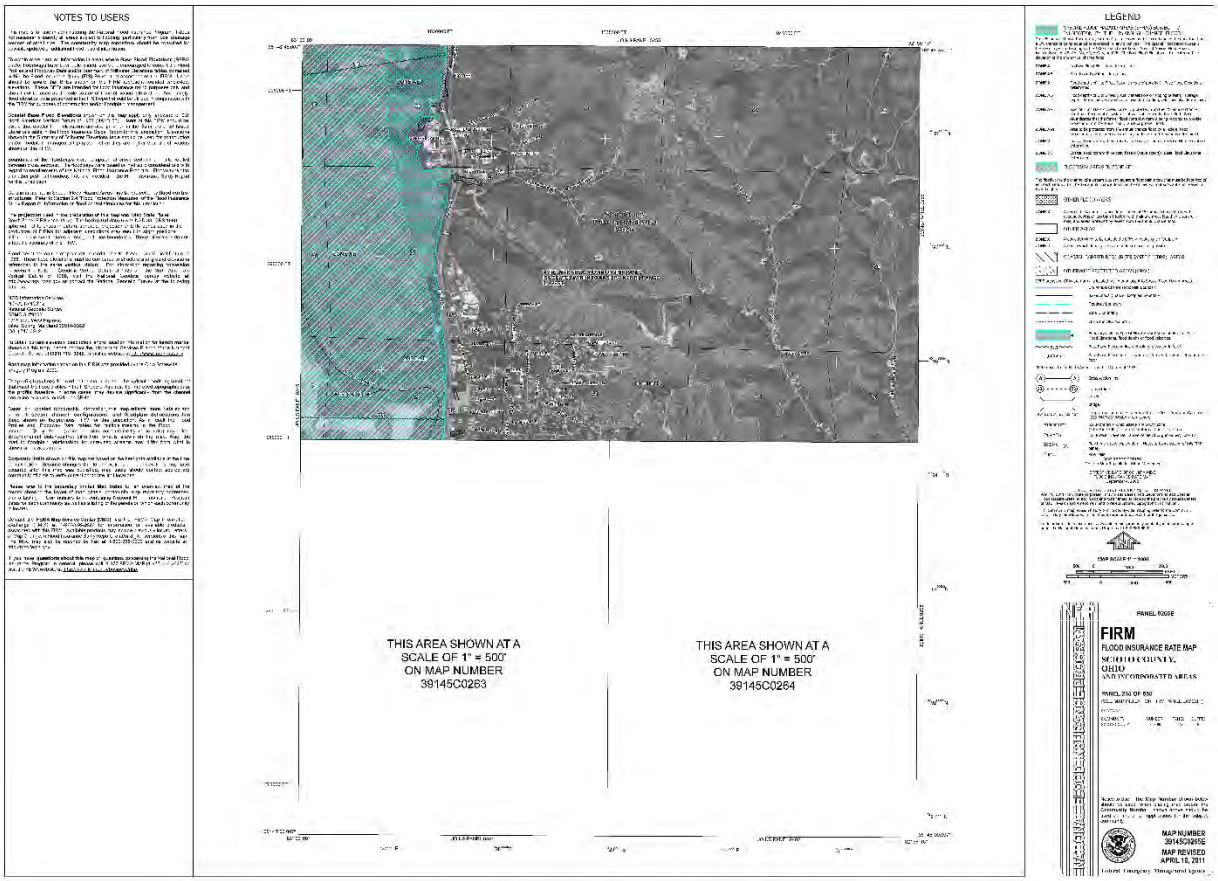
Panel Contains:

COMMUNITY	NUMBER	PANEL	SUFFIX
NEW BOSTON, VILLAGE OF	390189	0264	F
PORTSMOUTH, CITY OF	390329	0264	F
SCIOTO COUNTY	390480	0264	F

VERSION NUMBER
2.4.2.0

MAP NUMBER
39145C0264F

MAP REVISED
JUNE 19, 2020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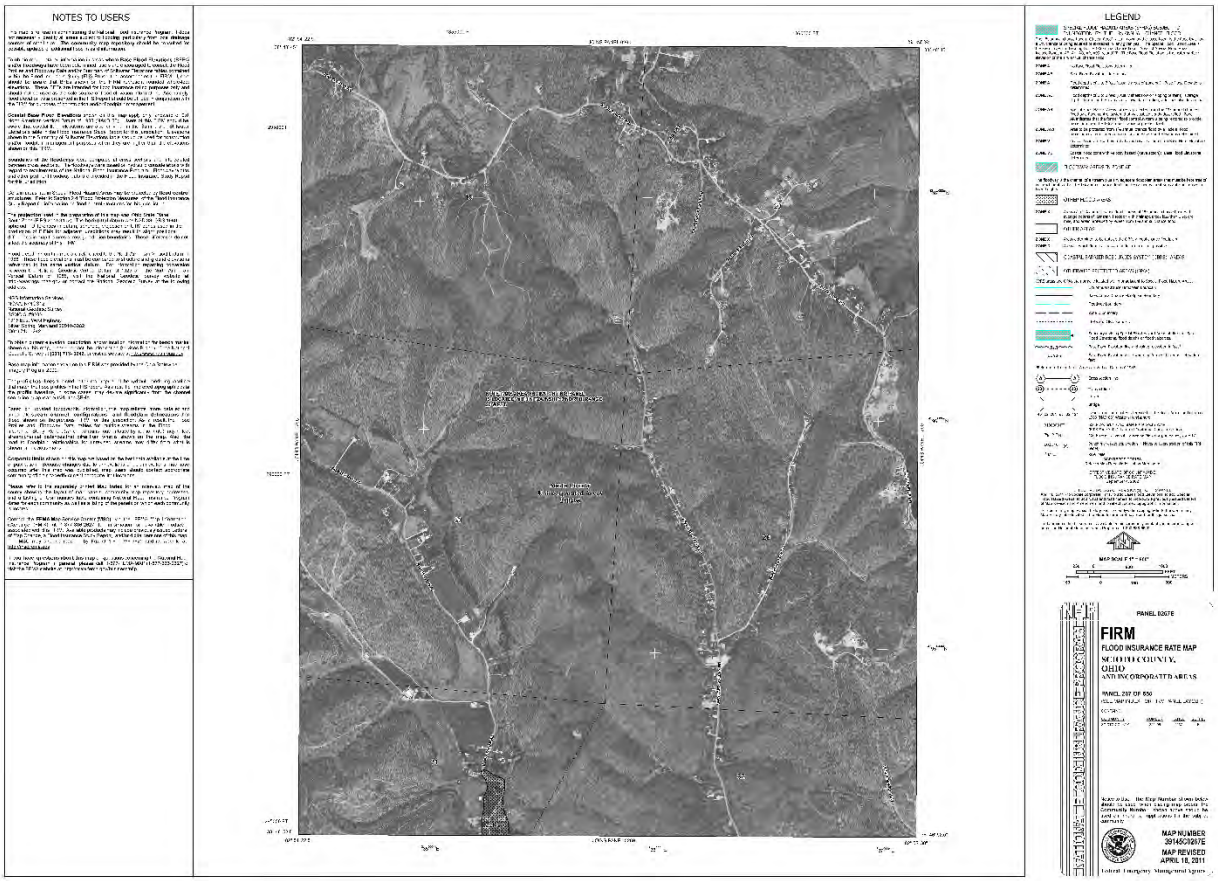
THIS AREA SHOWN AT A
SCALE OF 1" = 500'
ON MAP NUMBER
39145C0263
THIS AREA SHOWN AT A
SCALE OF 1" = 500'
ON MAP NUMBER
39145C0264
PANEL 0263F
FIRM
FLOOD INSURANCE RATE MAP
SCIOTO COUNTY,
OHIO
AND INCORPORATED AREAS
MAP NUMBER
39145C0263F
MAP REVISED
APRIL 16, 2011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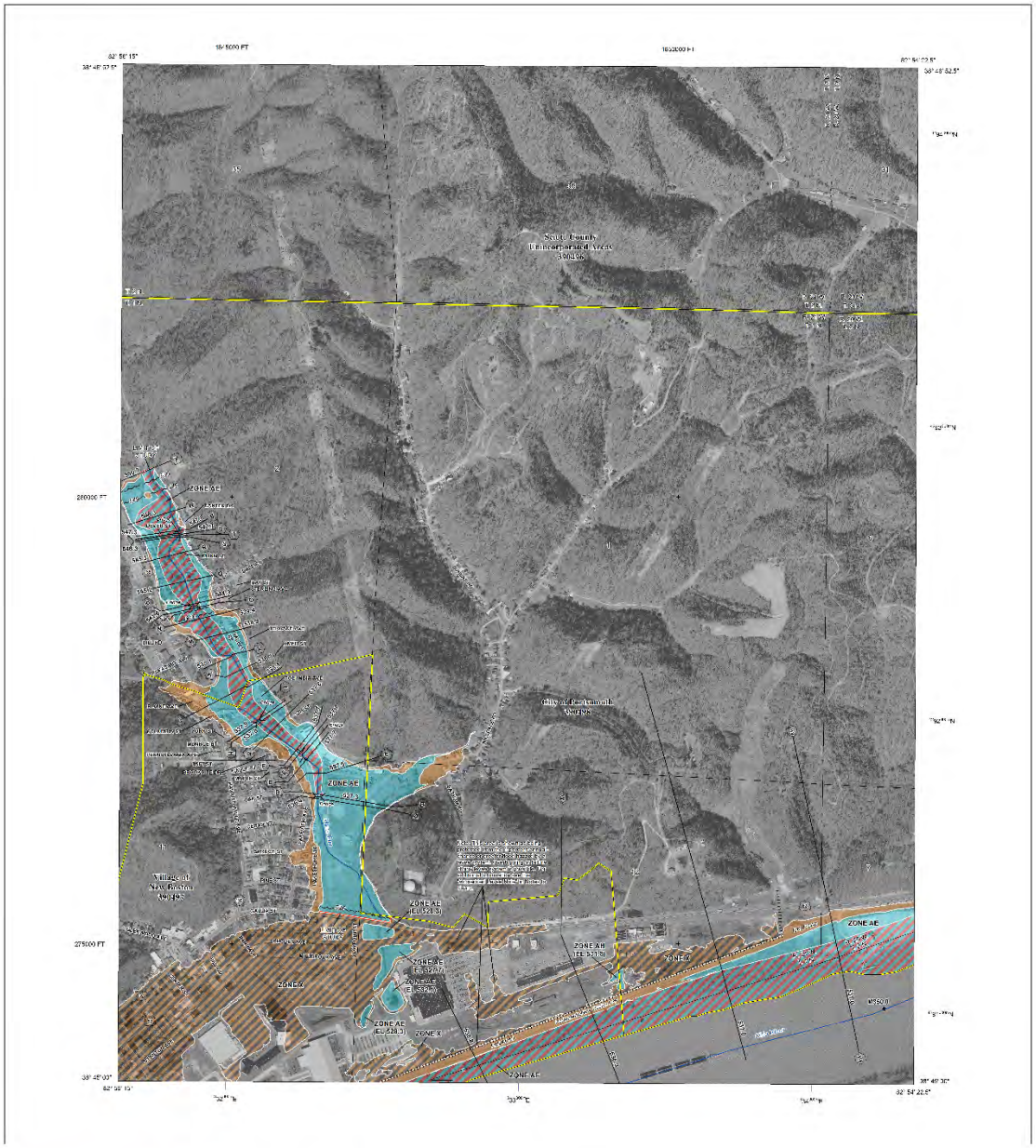
FLOOD INSURANCE RATE MAP
SCIOTO COUNTY, OHIO
MAP NUMBER
MAP REVISED
APRIL 16, 2011



FLOOD HAZARD INFORMATION

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

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	8 Coastal Transect
	Coastal Transect Baseline
	Profile Baseline
	Hydrographic Feature
	513 Base Flood Elevation Line (BFE)
OTHER FEATURES	Limit of Study
	Jurisdiction Boundary

NOTES TO USERS

[illegible]

ACCREDITED LEVEE. [illegible]

SCALE

Map Projection:
NAD 1983 StatePlane Ohio South FIPS 3402 Feet
Projection: Transverse Mercator Datum: NAD 83

1 inch = 500 feet 1:6,000

0 500 1,000 2,000 feet

0 125 250 500 meters

PANEL LOCATOR

A PANEL NOT PRINTED

FEMA

National Flood Insurance Program

NATIONAL FLOOD INSURANCE PROGRAM
FLOOD INSURANCE RATE MAP

SCIOTO COUNTY, OHIO
and Incorporated Areas

PANEL 268 of 555

FEMA

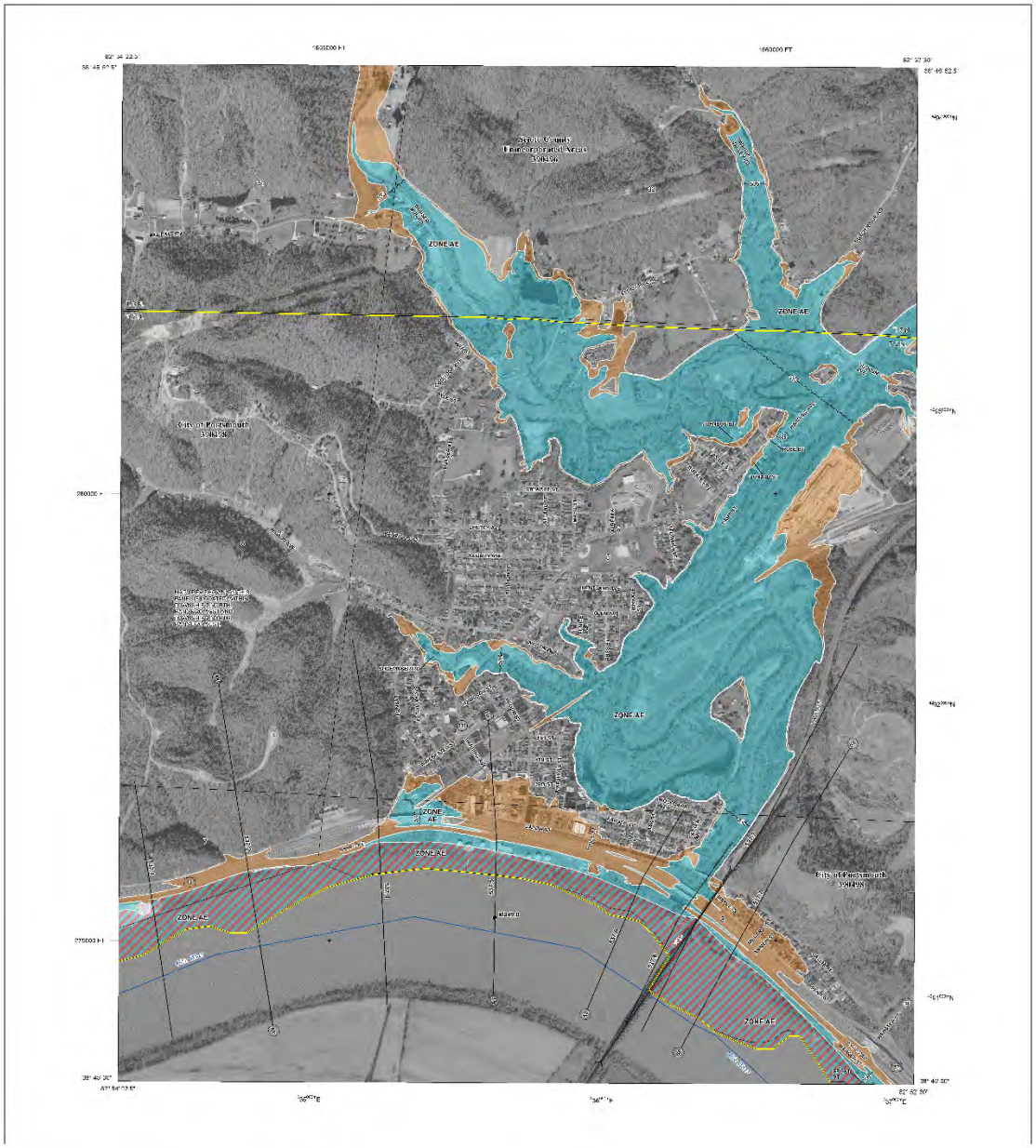
Panel Contains:

COMMUNITY	NUMBER	PANEL	SUFFIX
NEW BOSTON, VILLAGE OF	390417	0268	F
PORTSMOUTH, CITY OF	390416	0268	F
SCIOTO COUNTY	390400	0268	F

VERSION NUMBER
2.4.2.0

MAP NUMBER
39145C0268F

MAP REVISED
JUNE 19, 2020



FLOOD HAZARD INFORMATION

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

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	Profile Baseline
	Hydrographic Feature
	513 Base Flood Elevation Line (BFE)
OTHER FEATURES	Limit of Study
	Jurisdiction Boundary

NOTES TO USERS

[illegible]

SCALE

Map Projection:
NAD 1983 StatePlane Ohio South FIPS 3402 Feet
Projection: Transverse Mercator, Zone: Ohio South, Units: Feet

1 inch = 500 feet 1:6,000

0 500 1,000 2,000 feet

0 125 250 500 meters

PANEL LOCATOR

FEMA

National Flood Insurance Program

NATIONAL FLOOD INSURANCE PROGRAM
FLOOD INSURANCE RATE MAP

SCIOTO COUNTY, OHIO
and Incorporated Areas

PANEL 269 OF 555

FEMA

Panel Contains:

COMMUNITY	NUMBER	PANEL	SUFFIX
[illegible]	[illegible]	0269	F
[illegible]	[illegible]	0269	F

VERSION NUMBER
2.4.2.0

MAP NUMBER
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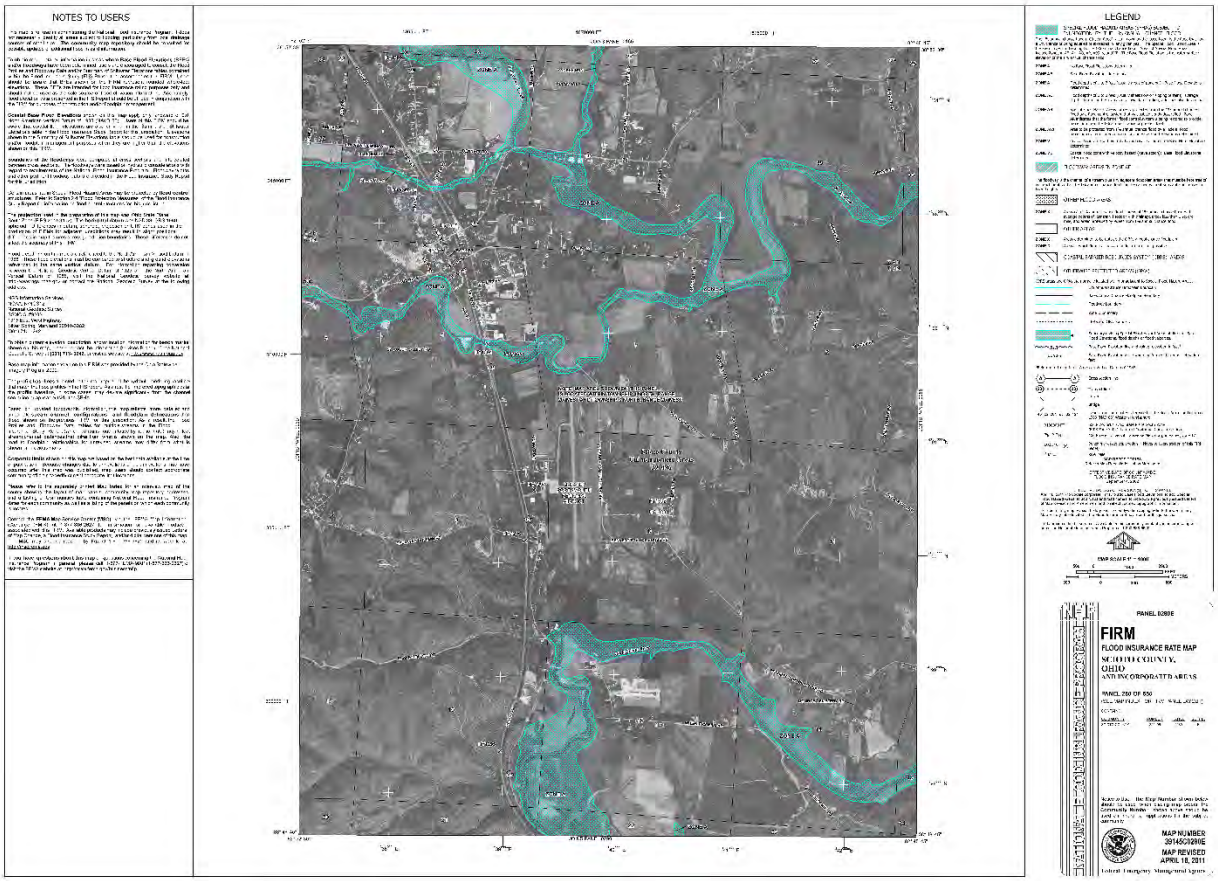
MAP REVISED
JUNE 19, 2020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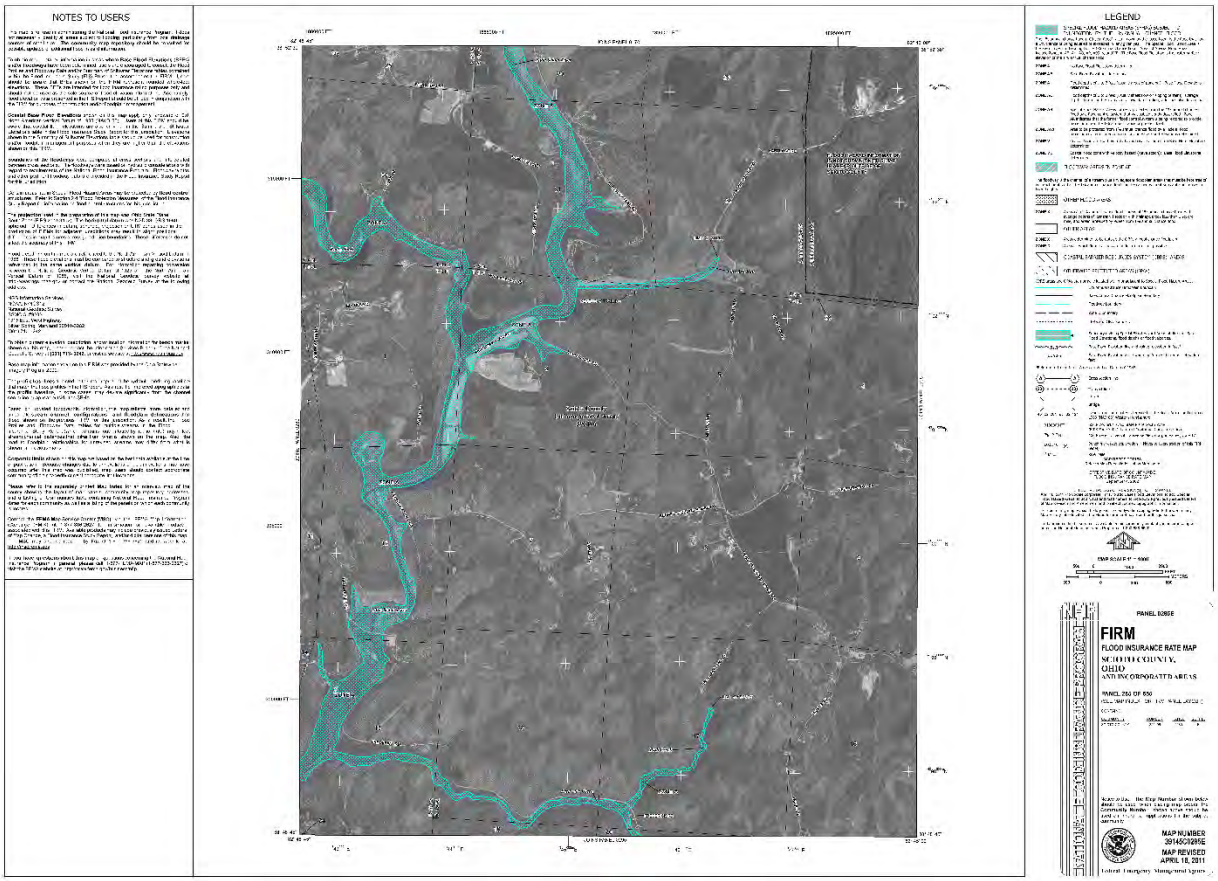
FLOOD INSURANCE RATE MAP
SCIOTO COUNTY, OHIO
UNINCORPORATED AREAS
MAP NUMBER
MAP REVISED
APRIL 16, 2011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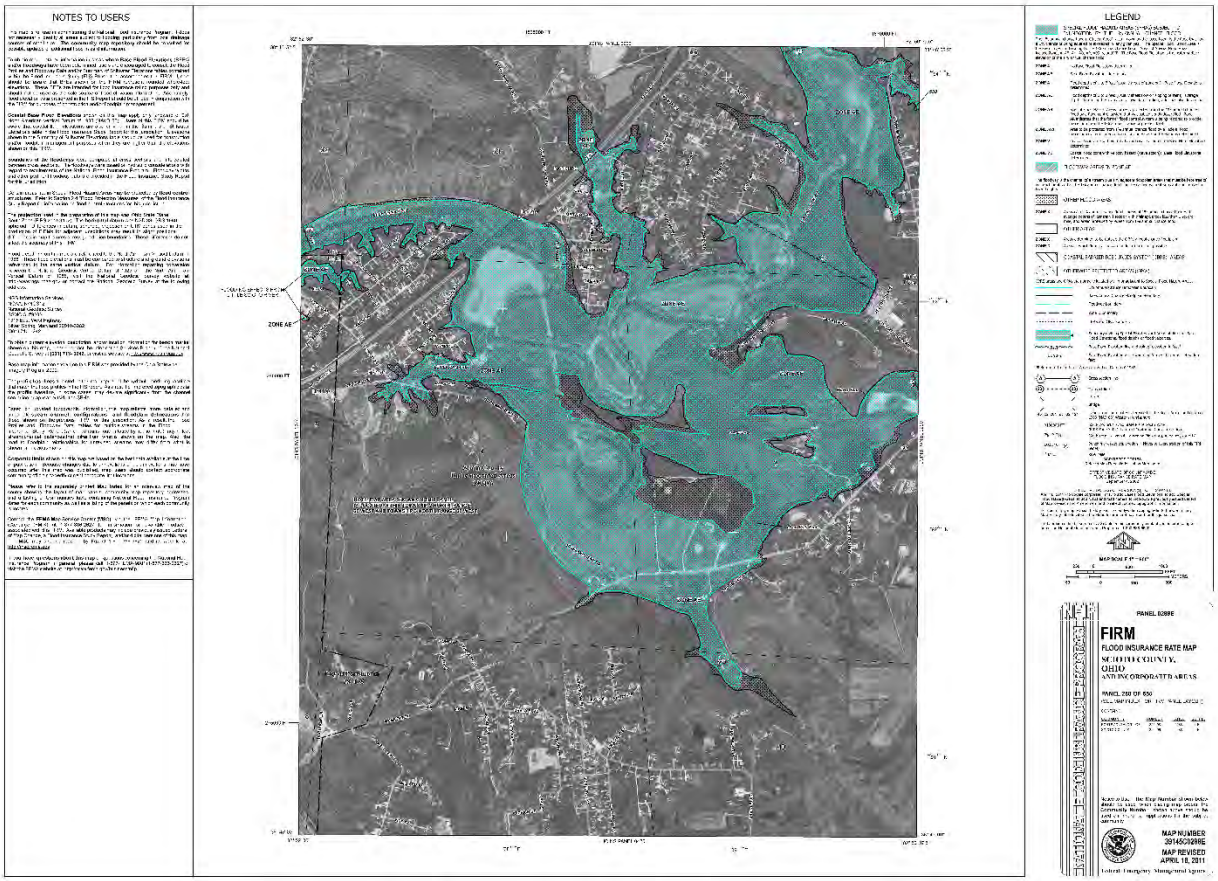
SCIOTO COUNTY, OHIO
MAP NUMBER
MAP REVISED
APRIL 16, 2011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ZONE AE
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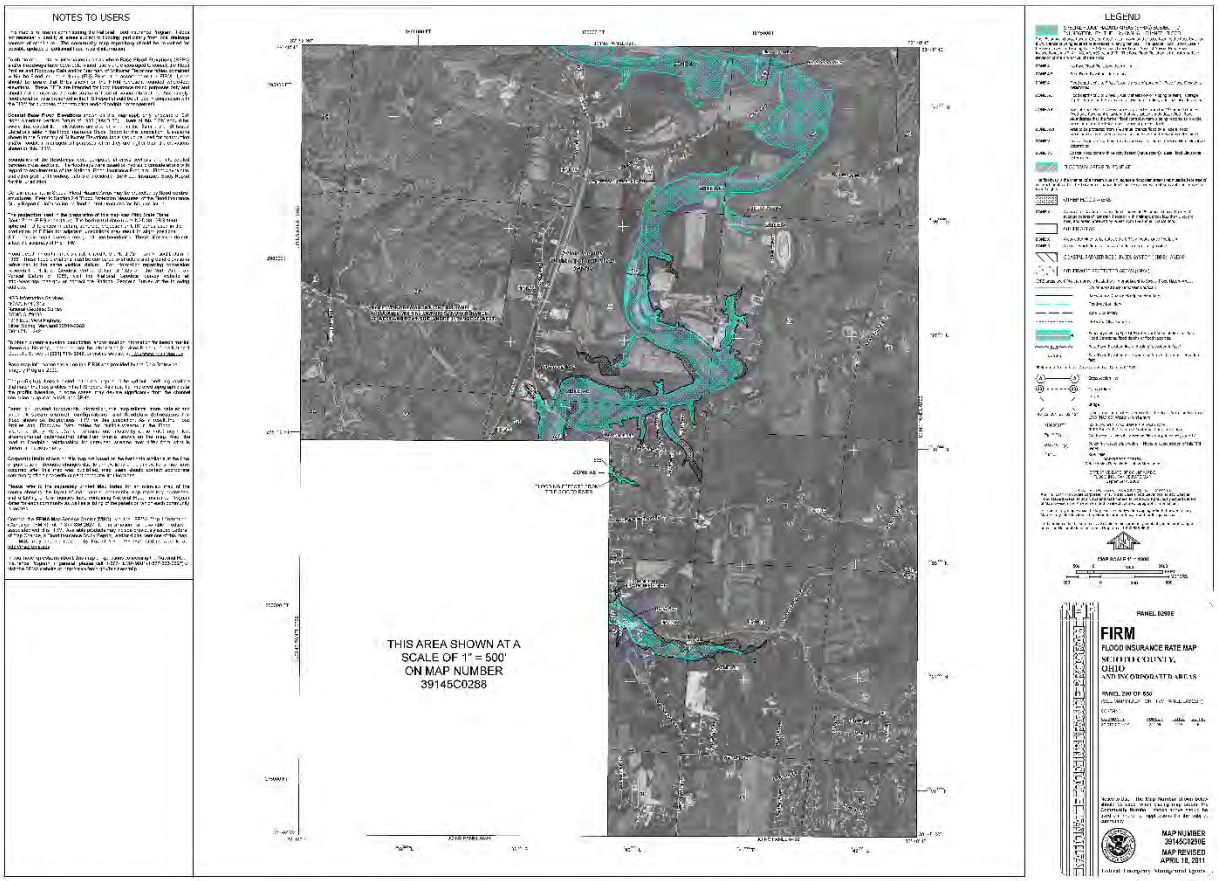
SCIOTO COUNTY, OHIO
MAP NUMBER
MAP REVISED
APRIL 16, 2011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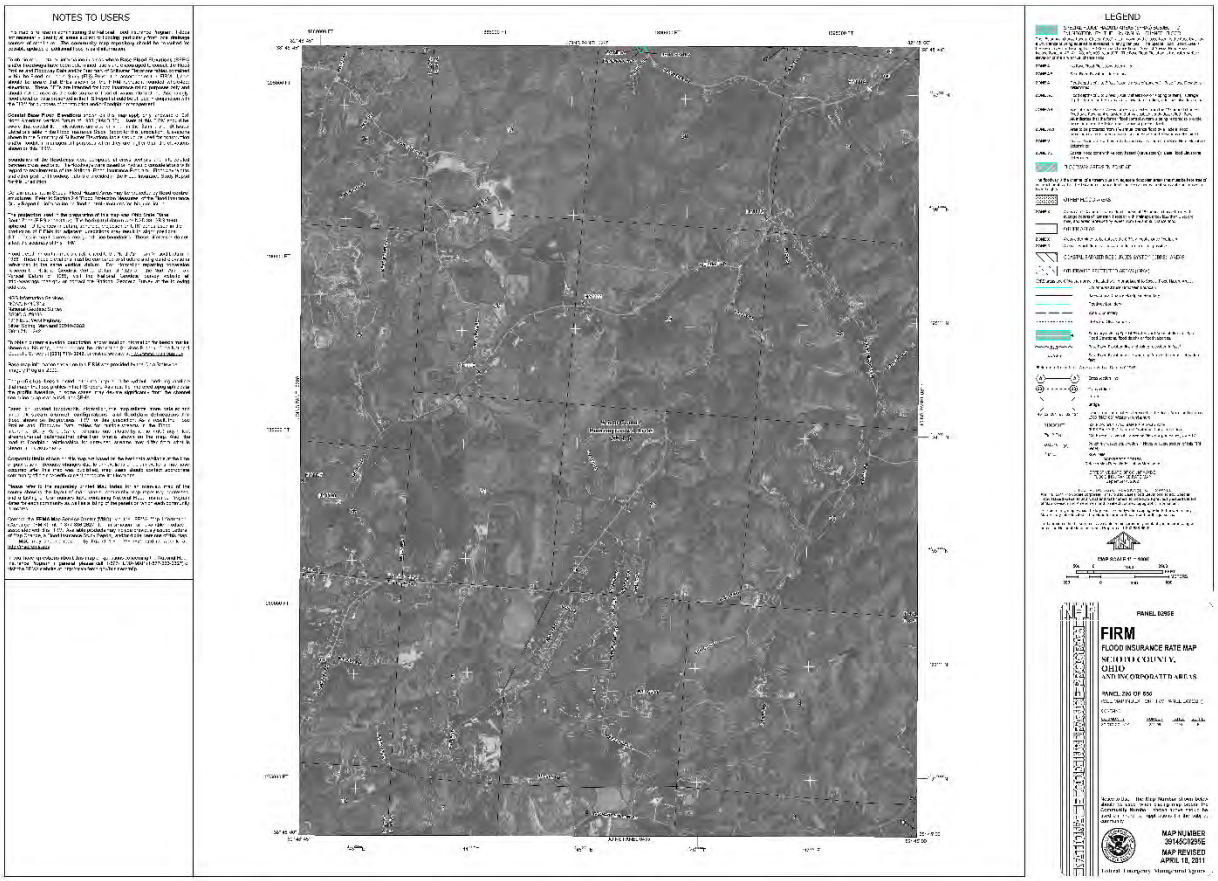
LEGEND
THIS AREA SHOWN AT A
SCALE OF 1" = 500'
ON MAP NUMBER
39145C0258
FIRM
FLOOD INSURANCE RATE MAP
SCIOTO COUNTY,
OHIO
MAP NUMBER
39145C0258E
MAP REVISED
APRIL 16, 2011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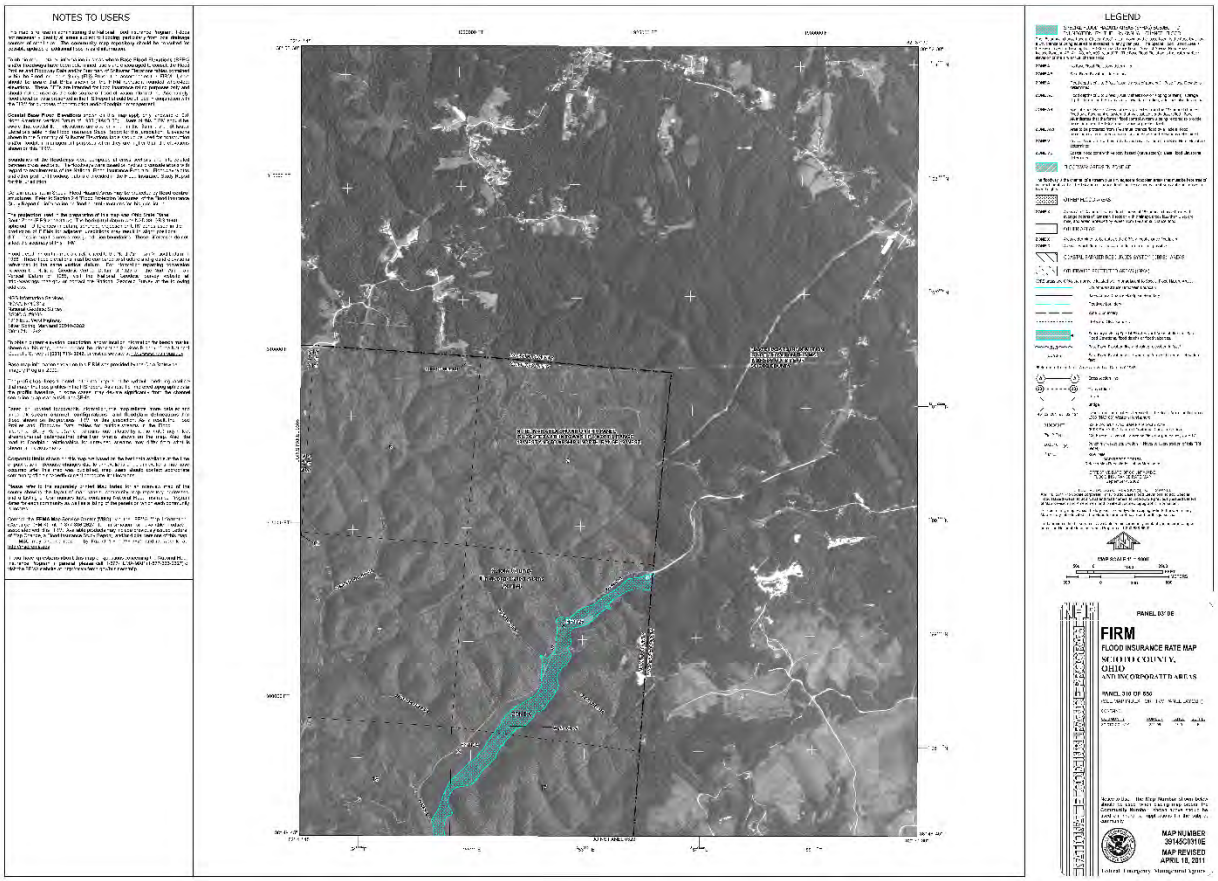
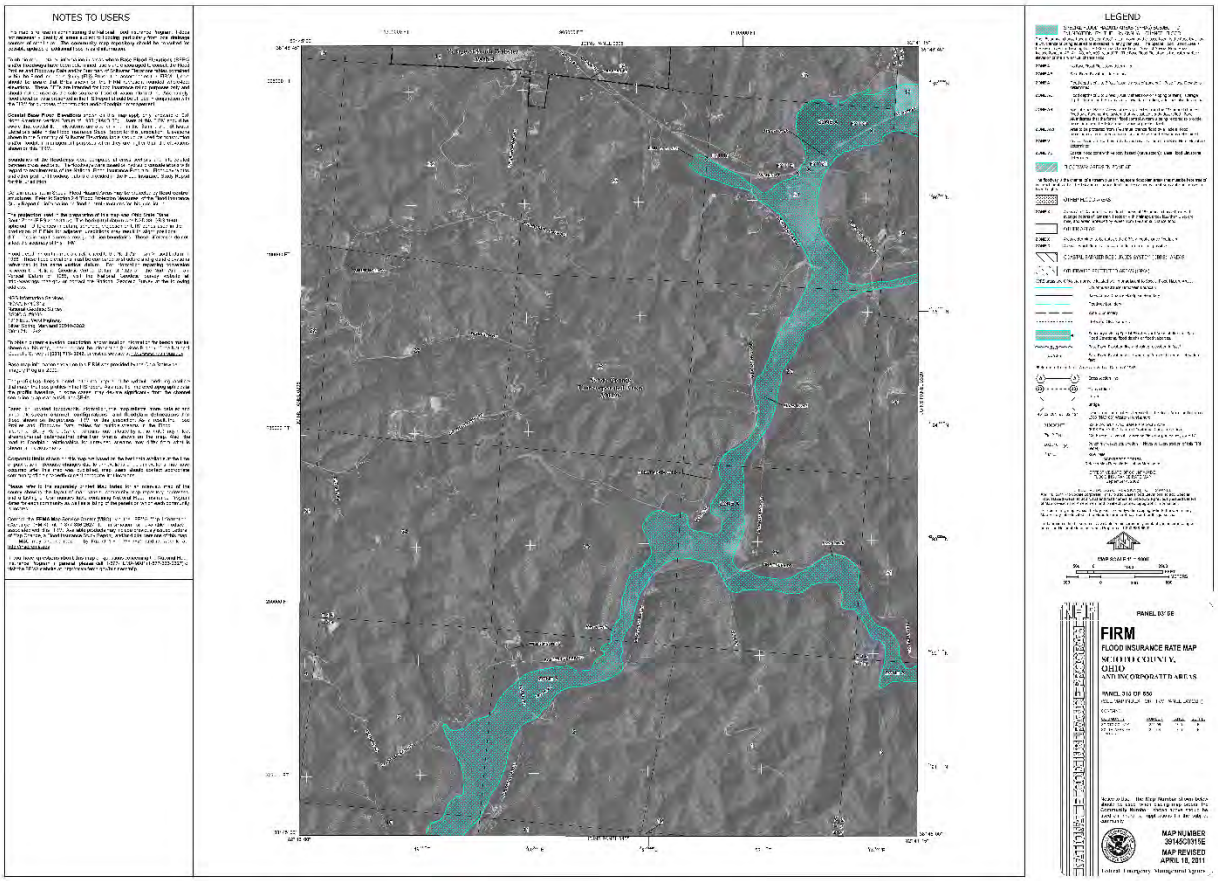
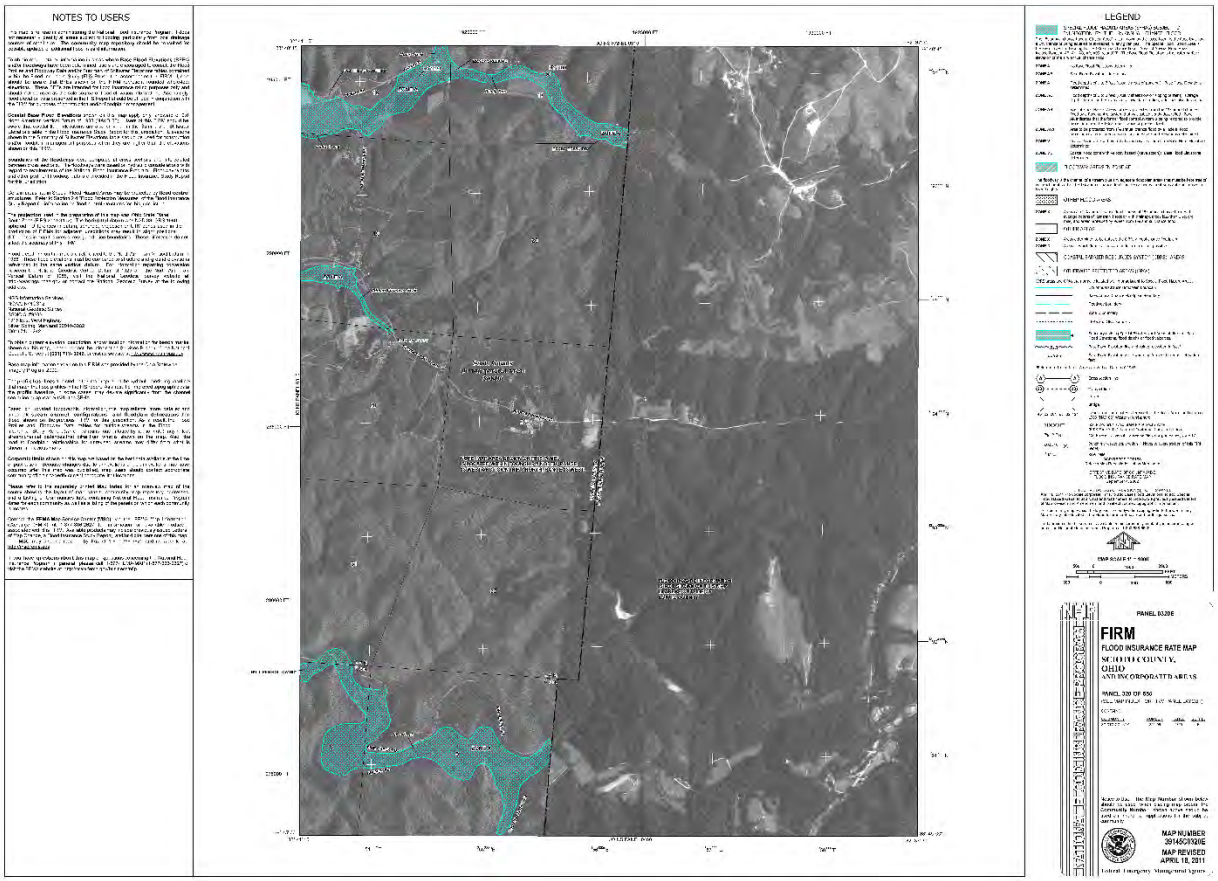
FIRM
FLOOD INSURANCE RATE MAP
SCIOTO COUNTY, OHIO
MAP NUMBER
MAP REVISED
APRIL 16, 2011


NOTES TO USERS
LEGEND
FIRM
FLOOD INSURANCE RATE MAP
SCIOTO COUNTY, OHIO
MAP NUMBER
MAP REVISED
APRIL 16, 2011


NOTES TO USERS
LEGEND
FIRM
FLOOD INSURANCE RATE MAP
SCIOTO COUNTY, OHIO
MAP NUMBER
MAP REVISED
APRIL 16, 2011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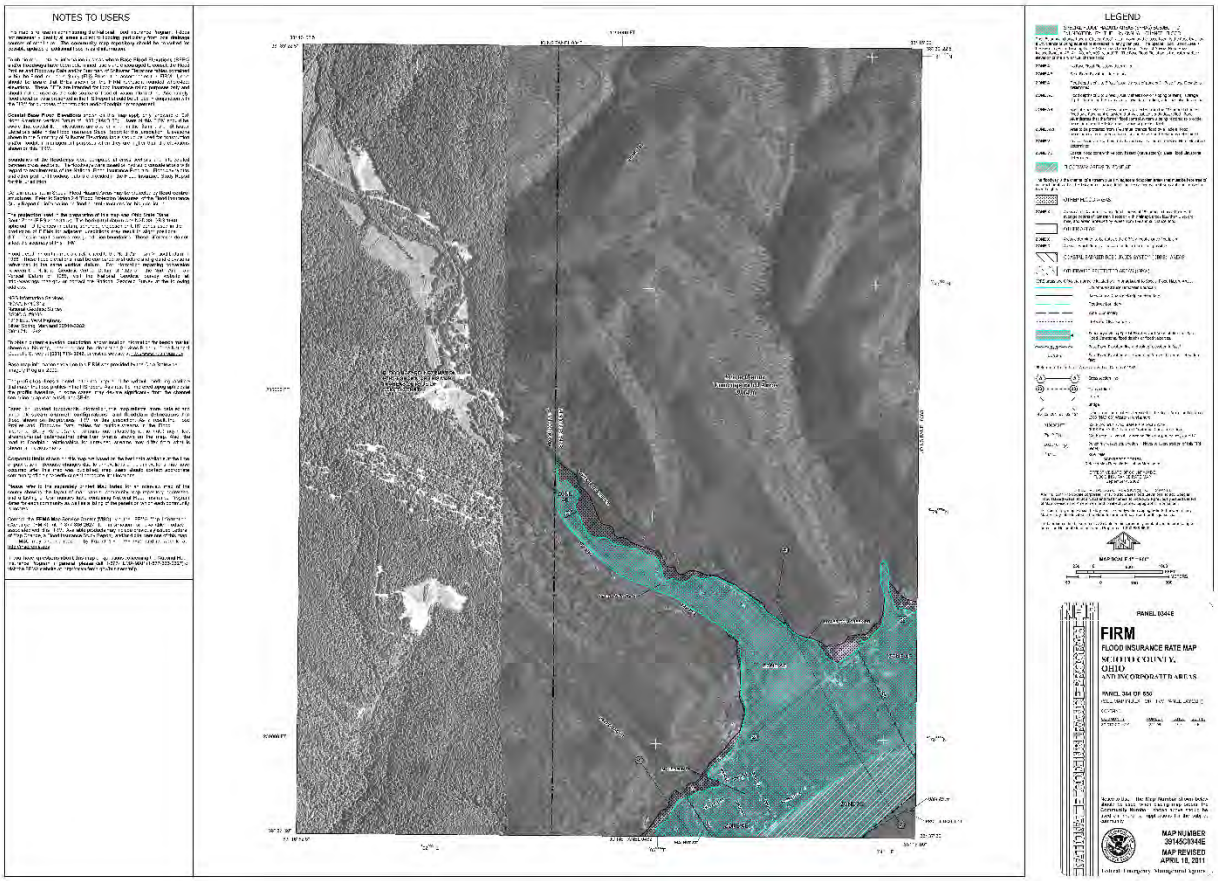
LEGEND
FIRM
FLOOD INSURANCE RATE MAP
SCIOTO COUNTY, OHIO
MAP NUMBER
MAP REVISED
APRIL 16, 2011


NOTES TO USERS
LEGEND
FIRM
FLOOD INSURANCE RATE MAP
SCIOTO COUNTY, OHIO
UNINCORPORATED AREAS
PANEL 0344E
MAP NUMBER
39145C0344E
MAP REVISED
APRIL 16, 2011
Federal Emergency Management Agency

Appendix G: Meeting Documentation

Stakeholder Kickoff

Good morning,

Scioto County was recently awarded a Pre-Disaster Mitigation Grant to update our County's Hazard Mitigation Plan. This update is required by FEMA every five years to remain eligible for funding for projects. Municipalities, police and fire departments, schools, businesses, and the public may receive funding for any mitigation strategy found in the approved and adopted plan update. Community input is critical to this plan's success (and the FEMA approval process). As such, we are asking for your participation in the planning process at the following two sets of meetings.

These meetings will be offered in multiple formats that allow stakeholders and the public to participate however they are available and comfortable. These meeting formats will include live in-person meetings, recorded presentations, and paper and digital surveys. If you are unable to attend, please let us know and we will work with you to obtain participation in other formats.

Prior to Meeting #1, we have some action items for your completion:

1. **Review the attached items**, which describe the goal of the hazard mitigation planning process, who is involved in updating the plan, why the plan needs to be updated, and an overview of the planning process and schedule.
2. **Reserve the dates for the first and second round of meetings**:
    a. **Meeting 1** - To be held on January 16, 2025, at Scioto County Welcome Center
        i. 2:00 P.M. at 342 2nd Street Portsmouth, Ohio 45662
        ii. 5:00 P.M. at 342 2nd Street Portsmouth, Ohio 45662
    b. **Meeting 2** - To be held on February 20, 2025, at Scioto County Welcome Center
        i. 2:00 P.M. at 342 2nd Street Portsmouth, Ohio 45662
        ii. 5:00 P.M. at 342 2nd Street Portsmouth, Ohio 45662
3. **Complete the Goals & Hazard Priority Survey** prior to Meeting #1 – we will send a link to this ahead of the meeting.

Many of you may wonder why you have been asked to participate in this process. Updating the Hazard Mitigation Plan every five years allows us to identify opportunities to lessen the potential impacts from disasters and allows us to evaluate projects that have been completed during the past five-year cycle. All possible projects are identified by YOU, our community leaders. Once our plan has gone through the FEMA approval process and has been adopted locally, we can apply for grant funding that could potentially cover 75% of the costs associated with those projects.

Reference Material Links

1. Plan Overview (link)
2. 2020 Plan (link)
3. Scioto HMP website (link)

If you would like to designate another person to participate in the plan update process on your behalf, please provide their name and contact information to me. Let us know if you have any questions.

Sincerely,

Larry Mullins, Director
Scioto County Emergency Management Agency
729 Sixth Street
Portsmouth, Ohio 45662
Phone: (740) 353-2804
Email: sciotoema@frontier.com

SCIOTO COUNTY HAZARD MITIGATION PLAN OVERVIEW

JANUARY 2025

Goal

Update the 2020 Scioto County Hazard Mitigation Plan to include both natural and man-made hazards that pose a threat to the County.

Who's involved?

The Scioto County EMA will work closely with Burton Planning Services and members of the Core Planning Committee to develop a mitigation plan that adequately addresses the threats posed to Scioto County residents by natural and man-made hazards. The following people will be involved:

- Larry Mullins, Scioto County Office of Emergency Management Agency Director
- Burton Planning Services (BPS)
- Kimberly Burton, P.E., AICP CTP, LEED AP ND
- Kimberly Cousins, Project Manager, Senior Resiliency Specialist
- Brett Morris, LEED Green Associate, Resiliency Planner, Assistant Project Manager
- Meagan Russell, Hazard Mitigation Analyst
- Kairsten Nitsch, Associate Planner
- Chuck Foster, Hazard Mitigation Specialist
- Core Planning Committee Members

Hazard Mitigation Planning: Federal Requirements

The Disaster Mitigation Act, 2000 (DMA2K) states that all jurisdictions must have an adopted plan to receive funds from FEMA in the event of a disaster. DMA2K provides a legal basis for FEMA's state, local, and tribal mitigation planning requirements. Additionally, the Robert T. Stafford Disaster Relief and Emergency Assistance Act of 1988 created the system where Presidential disaster declarations trigger federal assistance via FEMA.

To receive federal funding, hazard mitigation plans must:

- Be updated and adopted by local jurisdictions every 5 years.
- Include:
  - Public participation and documented process
  - Existing conditions and demographics
  - Major disaster declarations since the previous plan
  - Risk assessments and vulnerability analyses for hazards
  - Mitigation actions and their status
  - Identified plan maintenance and updates
- Municipalities, police and fire departments, schools, businesses, and the general public may receive funding for any mitigation strategy found in the approved and adopted plan update.

Hazard Mitigation Planning: Overview

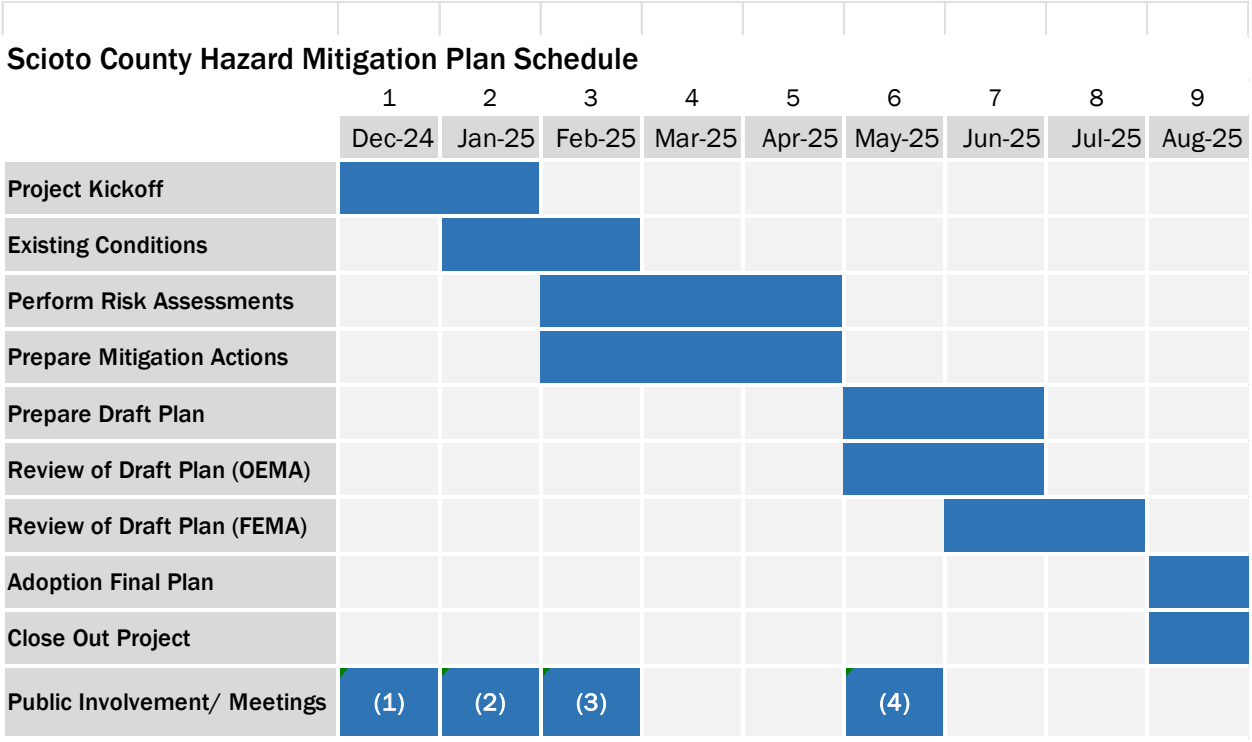
Potential hazard types include natural disasters (floods, storms, droughts, landslides, invasive species, etc.) and man-made disasters (hazardous material spills, terrorism, etc.). Benefits of updating the hazard mitigation plan include:

- Minimizing property damage, economic loss, injuries, and loss of human life

- Enhancing public awareness of natural and man-made hazards
- Coordinating inter-jurisdictional preparedness measures, mitigation actions, and programs for effective implementation
- Providing a tool for decision-makers to better prepare for disasters.
- Achieving state and federal regulatory compliance to be eligible for funding

Hazard Mitigation Planning: Process and Schedule

FEMA focuses on the mitigation strategies, on the intent and compliance of the plan, and on the planning process. Milestones for the Scioto County Hazards Mitigation Plan are indicated in blue, below.



(1) Stakeholder Kickoff (email): December 2024
(2) Stakeholder/Public Meeting #1: January 2025
(3) Stakeholder/Public Meeting #2: February 2025
(4) Public Comment Period (15-day): May 2025

Hazard Mitigation Planning: Core Planning Committee Role

The role of the Core Planning Committee (you!) is as follows:

- Provide local knowledge and data as needed.
- Help identify potential hazards from past experience and prioritize hazards.
- Help develop new mitigation actions, determine the status of previous mitigation actions, and prioritize new mitigation actions.
- Provide feedback on the draft plan.
- Participate in public and stakeholder meetings.
- Assist in plan adoption for representative local jurisdiction.

Contact Information:

Scioto County EMA
Larry Mullins, EMA Director
Email: sciotoema@frontier.com
Office: 740-353-2804

Burton Planning Services
Kimberly Cousins, Project Manager, Senior Resiliency Specialist
Email: kcousins@burtonplanning.com
Office: 330-573-0720

sciotoema.com
New Chrome available
AEP Ohio | Costco Visa | USAA - Welcome to... | Verizon Wireless | myPay Web Site | Writing Contests, Gr... | Fifth Third Banking... | Capital One | Login Page | Vetera... | All Bookmarks

SCIOTO EMERGENCY MANAGEMENT AGENCY

AND

HOMELAND SECURITY

The Scioto County Emergency Management Agency and Homeland Security is responsible to protect our community by coordinating and integrating all actives necessary to build, sustain, and improve the capability to mitigate against, prepare for, respond to, and recover from threatened or actual natural disasters, acts of terrorism, or other man-made disasters.

LATEST NEWS

The next meeting of the Scioto County Local Emergency Planning Committee (LEPC) will be held at 12:30 P.M. on Thursday, July 24, 2025, in the conference room of the Scioto County Department of Job & Family Services, 710 Court Street, Portsmoouth, Ohio. All LEPC members and the public are invited to attend.

The Scioto County All-Natural Hazardous Migitigation Plan is in the process of being updated. The plan is being updated by the consulting firm of Burton Planning Servies, LLC, of Westerville, Ohio. The update project is scheduled to be completed by August 29, 2025.

Natural Hazards Mitigation

What is a Natural Hazards Mitigation Plan (NHMP)? A natural hazards mitigation plan (NHMP) **identifies hazards, vulnerabilities, and risks facing a local, state, or tribal government, and prioritizes actions to reduce the risks**. A NHMP has two core parts: a risk assessment and a mitigation strategy.

The Scioto County All-Natural Hazardous Migitigation Plan is required by federal law to be updated every five years. The plan is currently in the process of being updated under the direction of the consulting firm of Burton Planning Servies, LLC, of Westerville, Ohio. The update project is scheduled to be completed by August 29, 2025.

Below is the current NHMP for Scioto County, Ohio.

Outlook

Hazard Mitigation Plan Meetings

From Scioto County Ofc <sciotoema@frontier.com>

Date Tue 1/7/2025 7:05 AM

To ssturgill@caosciotocounty.org <ssturgill@caosciotocounty.org>; cgullion@compasspointhousing.org <cgullion@compasspointhousing.org>; kim.sciotofoundation@frontier.com <kim.sciotofoundation@frontier.com>; lthomas@mysolace.org <lthomas@mysolace.org>; abby@sciotoconnect.org <abby@sciotoconnect.org>; coakes@aaa7.org <coakes@aaa7.org>; newbostonfire@hotmail.com <newbostonfire@hotmail.com>; terig44@frontier.com <terig44@frontier.com>; butch_73@hotmail.com <butch_73@hotmail.com>; shad.ruby@yahoo.com <shad.ruby@yahoo.com>; oyoranger@gmail.com <oyoranger@gmail.com>; brhowell@yahoo.com <brhowell@yahoo.com>; davispmd@gmail.com <davispmd@gmail.com>; conkelc@gmail.com <conkelc@gmail.com>; bradsouth65@yahoo.com <bradsouth65@yahoo.com>; jmontavon34@yahoo.com <jmontavon34@yahoo.com>; Morgantwpfire@gmail.com <morgantwpfire@gmail.com>; ptfd@roadrunner.com <ptfd@roadrunner.com>; rosemountfd1@gmail.com <rosemountfd1@gmail.com>; chiefhorsley@yahoo.com <chiefhorsley@yahoo.com>

Cc Kimberly Cousins <kcousins@burtonplanning.com>; Bill Lynn <sciotoema@yahoo.com>

Hello All,

Scioto County was recently awarded a Pre-Disaster Mitigation Grant to update our County's Hazard Mitigation Plan. This update is required by FEMA every five years to remain eligible for funding for
projects. Municipalities, police and fire departments, schools, businesses, and the public may re ceive
funding for any mitigation strategy found in the approved and adopted plan update. Community i nput is critical to this plan's success (and the FEMA approval process). As such, we are asking for your participation in the planning process at the following two sets of meetings.

These meetings will be offered in multiple formats that allow stakeholders and the public to parti cipate however they are available and comfortable. These meeting formats will include live in-person meetings, recorded presentations, and paper and digital surveys. If you are unable to attend, please let us know and we will work with you to obtain participation in other formats.

Prior to Meeting #1, we have some action items for your completion:
1. Review the attached items, which describe the goal of the hazard mitigation planning proc ess, who is involved in updating the plan, why the plan needs to be updated, and an overview of the planning process and schedule.

2. Reserve the dates for the first and second round of meetings:
a. Meeting 1 - To be held on January 16, 2025, at Scioto County Welcome Center
i. 2:00 P.M. at 342 2nd Street Portsmouth, Ohio 45662 and,
ii. 5:00 P.M. at 342 2nd Street Portsmouth, Ohio 45662

b. Meeting 2 - To be held on February 20, 2025, at Scioto County Welcome Center
i. 2:00 P.M. at 342 2nd Street Portsmouth, Ohio 45662 and,
ii. 5:00 P.M. at 342 2nd Street Portsmouth, Ohio 45662

3. Complete the Goals & Hazard Priority Survey prior to Meeting #1 – we will send a link to this ahead of the meeting.

Many of you may wonder why you have been asked to participate in this process. Updating the Hazard
Mitigation Plan every five years allows us to identify opportunities to lessen the potential impact s from
disasters and allows us to evaluate projects that have been completed during the past five-year cycle. All possible projects are identified by YOU, our community leaders. Once our plan has gone through the FEMA approval process and has been adopted locally, we can apply for grant funding that could potentially cover 75% of the costs associated with those projects.

Reference Material Links
1. Plan Overview (link)
2. 2020 Plan (link)
3. Scioto HMP website (link)

If you would like to designate another person to participate in the plan update process on your b ehalf, please provide their name and contact information to me. Let us know if you have any questions.

Sincerely,

Larry Mullins, Director
Scioto County Emergency Management Agency
729 Sixth Street - Lower Level
Portsmouth, OH 45662
Office: 740-355-8300
Cell: 740-285-6336
Fax: 740-353-2804

Planning Meeting 1

facebook.com/photo/?fbid=907268921582458&set=a.162852196024138
New Chrome available
AEP Ohio | Costco Visa | USAA - Welcome to... | Verizon Wireless | myPay Web Site | Writing Contests, Gr... | Fifth Third Banking... | Capital One | Login Page | Vetera... | All Bookmarks

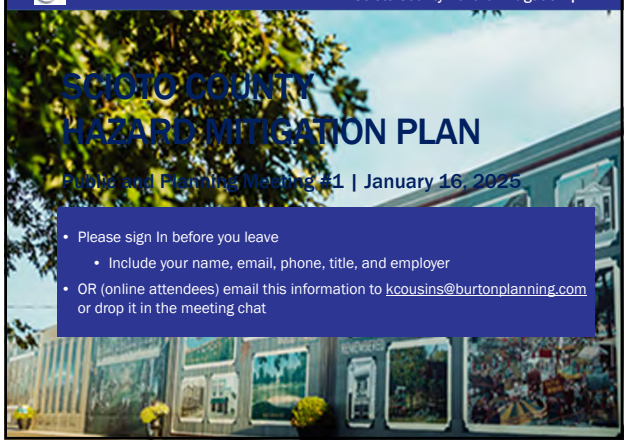
Scioto Ema
January 13 ·

The Scioto County EMA will hold kickoff meetings for the 2025 Scioto County Hazard Mitigation Plan (HMP) update on Thursday, January 16, 2025 at the Scioto County Welcome Center at 842 2nd Street, Portsmouth, OH. Two meetings are scheduled on January 16. A stakeholder's meeting at 2 PM and a public meeting at 5 PM. The public is invited to attend and participate. The update process will review local risks and mitigation projects that can lessen the impact of local hazards when they occur.

The existing plan is available on the Scioto County EMA website at www.SciotoEMA.com for review and comment. The update committee will meet multiple times during the next several months to ensure current risks, hazards and projects, that may save lives and property, are ready for implementation as grant funds become available. For more information contact the Scioto County EMA at 740-355-8300. **See less**

5 3

Comment as Kimberly Cousins



SCIOTO COUNTY HAZARD MITIGATION PLAN

Public and Planning Meeting #1 | January 16, 2025

- Please sign In before you leave
  - Include your name, email, phone, title, and employer
- OR (online attendees) email this information to kcousins@burtonplanning.com or drop it in the meeting chat

1

Introductions

Scioto County EMA

BPS Project Team

- Kimberly Burton, P.E., AICP CTP, LEED AP ND, Project Manager
- Kimberly Cousins, Project Manager, Environmental & Resiliency Manager
- Brett Morris, Assistant Project Manager, LEED Associate
- Meagan Russell, Resiliency Specialist
- Kairsten Nitsch, Associate Planner
- Chuck Foster, Hazard Mitigation Specialist

Core Planning Committee Members

2

Introductions

Why are we here today?

- Update the 2020 Scioto County Hazard Mitigation Plan
- Hazard mitigation overview
- Progress update
- Gather stakeholder input
- Next steps

3

Hazard Mitigation Overview

4

Hazard Mitigation Overview

What is hazard mitigation?

- A sustained action to reduce or eliminate the long-term risk to human life and property from hazards

Goals:

- Reduce potential losses in future disasters
- Identify natural hazards and identify actions to reduce loss
- Establish a process to implement these actions

5

Hazard Mitigation Overview

Potential types of hazards include:

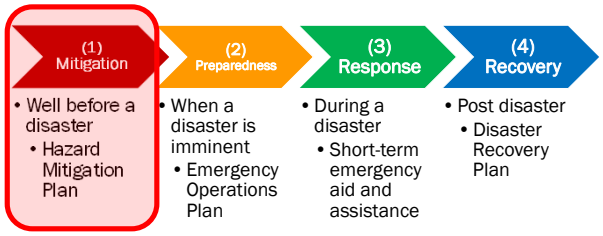
- Water (flooding, dam/levee failure)
- Wind (hurricanes, tornadoes, damaging winds)
- Summer and Winter Storms
- Drought, Wildfires, and Extreme Heat
- Geology (landslides, earthquakes)
- Invasive species
- Man-made (hazardous materials, terrorism)

Microhydropower dam, Seattle 2015

6

Hazard Mitigation Overview

- The disaster response cycle



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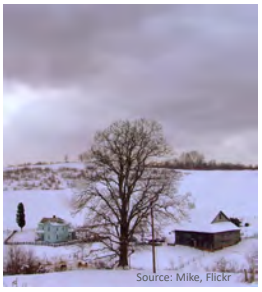
Hazard Mitigation Overview

Robert T. Stafford Disaster Relief and Emergency Assistance Act, 1988

- Presidential disaster declarations trigger federal assistance via FEMA

Disaster Mitigation Act, 2000 (DMA2K)

- Legal basis for FEMA's state, local, and tribal mitigation planning requirements
- Jurisdictions must have an adopted plan to be eligible for mitigation action funding from FEMA



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Hazard Mitigation Overview

Hazard Mitigation Plan Requirements

- To receive FEMA funding, hazard mitigation plans must be adopted by local jurisdictions & updated every 5 years.
- Hazard mitigation plans must include:
  - Public participation & documented update process
  - Existing conditions/demographics
  - Major disaster declarations since the previous plan
  - Risk assessments & vulnerability analyses for hazards
  - Mitigation actions & their status
  - Identified plan maintenance & updates

9

Hazard Mitigation Overview

Funding Opportunities

Types of projects that can receive federal funding, include:

- Property acquisition, demolition, relocation
- Property reconstruction
- Structure elevation, floodproofing, retrofits
- Generators
- Safe rooms
- Soil stabilization
- Etc.

10

Hazard Mitigation Overview

Overall benefits of hazard mitigation planning:

1. Minimize property damage, economic loss, injuries, and loss of human life
2. Enhance public awareness and education of natural and man-made hazards
3. Coordinate interjurisdictional preparedness measures, mitigation actions, and programs for efficient and effective implementation
4. Provide tools for decision makers to better prepare for disasters
5. Achieve state and federal regulatory compliance to be eligible for funding

11

Hazard Mitigation Overview

Overall benefits of hazard mitigation planning:

6. Municipalities: funds for related building/infrastructure needs, such as addressing issues caused by hazards or improvements to reduce future issues
7. Police & Fire: funds for safety-related equipment & resources
8. Schools: funds for school safety-related equipment/resources
9. Businesses: reduce/eliminate site & operational impacts
10. General Public: reduce/eliminate monetary & emotional costs from lost lives & homes

12

13

Process & Schedule

Completed, In-progress, and Upcoming Tasks:

- ✓ Gather critical facilities information
- ✓ Gather GIS base mapping
- ✓ Gather repetitive loss property information
- ✓ Summarize features and demographics of County and communities
- ✓ Gather historical information on previous hazard events
- ➢ Identify past and potential hazards to evaluate in this plan update – need feedback today
- ➢ Identify mitigation actions from the previous plan that need to be updated – need feedback today

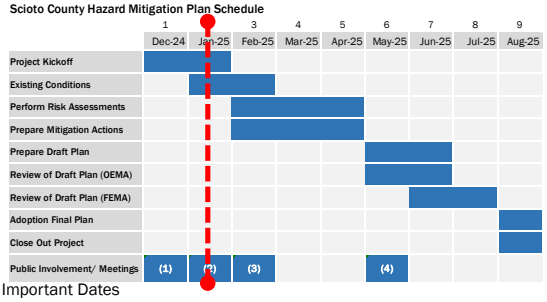
14

Process & Schedule

Hazard Mitigation Planning Process:

- ✓ Milestone 1: Project Kickoff Announcement; Gather Data For Existing Conditions/Demographics
- ➢ Milestone 2: Hold Planning Meeting #1
- o Milestone 3: Perform Risk Assessments & Vulnerability Analyses; Develop Mitigation Actions
- o Milestone 4: Hold Planning Meeting #2
- o Milestone 5: Prepare Draft Plan
- o Milestone 6: Conduct Reviews Of Draft Plan
- o Milestone 7: Adoption Of Plan
- o Milestone 8: Closeout Project

15



Important Dates

- ✓ Project Kickoff – December 2024 (Sent out by County EMA)
- ✓ Planning Meeting #1 – January 16, 2025
- o Planning Meeting #2 – February 20, 2025
- o Reviews of draft plan – TBA
- o Adoption of plan – TBA

16

17

Your Role

Overview

- o Provide local knowledge & data as needed, including history, demographics, spatial information
- o Help identify potential hazards based on previous experience & prioritize based on risk
- o Help develop new mitigation actions, determine status of previous mitigation actions & prioritize
- o Provide feedback on draft plan
- o Participate in both planning meetings
- o Assist in plan adoption for representative local jurisdiction

18

Your Role

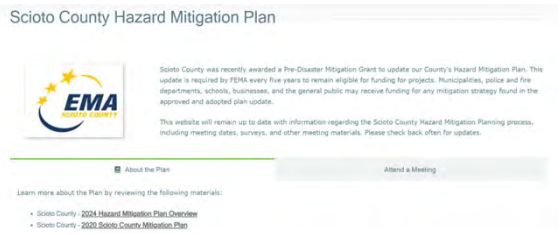
Today:

1. Project Website
2. Complete surveys
3. General feedback
4. Report on your use/integration of 2020 HMP
5. Add second meeting to schedule
   1. February 20, 2025

19

Action Items

1. Project Website: https://burtonplanning.com/Scioto-hmp/



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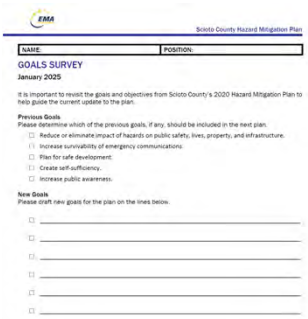
Action Items

2. Complete Surveys

Survey #1a: Goals

- Goals guide the Plan and inform the development of specific mitigation actions
- Evaluate goals from last plan
- Provide comments, changes
- http://www.surveymonkey.com/r/SciotoGoals



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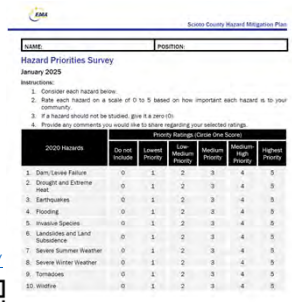
Action Items

2. Complete Surveys

Survey #1b: Hazard Priorities

- Many hazards could be included in the plan update (see Hazards Overview handout)
- Determine which ones from the full list should be included in this plan
- Rate the priority of all hazards
- http://www.surveymonkey.com/r/SciotoHazardPriority



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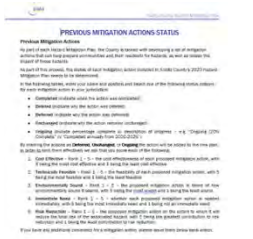
Action Items

2. Complete Surveys

Survey #2: Previous mitigation actions status

- Update the status, remarks, and ratings
- http://www.surveymonkey.com/r/SciotoPreviousActions



Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Adopt higher flood standards than NFIP minimums due to historical flood events and to reduce future damages	Flooding	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: Why: Why: Why: % Complete:	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

23

Action Items

2. Complete Surveys

How has your office integrated the 2020 HMP?

- https://www.surveymonkey.com/r/SciotoPlanIntegration

* This is not a required survey – please complete only if you have knowledge of how the plan has been integrated with other local plans.

24

Action Items

3. Second Planning Meeting: February 20, 2025

Core Planning Committee Meetings will be held first
- Followed by Public Meetings
- Timing will be same as Planning Meeting 1
- Find links on website (https://burtonplanning.com/Scioto-hmp/) and look for email reminder from Scioto County EMA

25

26

Next Steps – Prior to Meeting #2

- All Participating Jurisdictions & General Public:
  - Complete the goals, hazard priority, and existing mitigation action surveys
- Project Team
  - Finalize critical facilities lists
  - Perform risk assessments & vulnerability analyses
  - Develop draft mitigation actions
  - Meeting #2 preparation
- Next meeting - February 20, 2025
  - Discuss risk assessments, mitigation actions, prioritize

27

28

Dam/Levee Failure

Occurs when any artificial barrier that impounds or diverts water is suddenly released in an uncontrollable manner, resulting in a flood wave that can damage buildings and infrastructure. Scioto County has eight High Hazard Potential dams, and four Significant Hazard Potential dams.

Drought

Droughts occur when water levels drop. They can occur anywhere, and they increase the risks of flash floods, wildfires, and landslides. Droughts occurred in 2023, 2022, 2021, 2020, 2019, 2017,2016, 2015, 2014, 2012, 2010, 2009, 2008, 2007, 2006, 2005, 2002, 2001, and 2000 in Scioto County.

Earthquake

Earthquakes are sudden and rapid movements caused by the abrupt shifting of Earth's tectonic plates deep beneath the surface. Although earthquakes are very rare, they are unpredictable and can be catastrophic.

Flooding

Floods are typically riverine, coastal, or shallow. Flash floods are floods that occur quickly, even occurring without visible signs of precipitation. Scioto County has experienced 145 floods and flash floods since 1995. These events caused approximately $8 million in property and crop damage.

Invasive Species

Invasive species are any species within Scioto County that are not native to the area. These species can cause ecological or economic damage.

Landslides/Land Subsidence

A landslide occurs when rocks, earth, or other materials move down a slope. Common causes include rain, floods, and development practices along slopes. Land subsidence is when Earth's surface settles or suddenly sinks. These are common with abandoned mines.

Severe Summer Weather

Severe storms include **hailstorms**, **heavy rain**, **high wind**, and **thunder/lightning** storms. There have been 344 events in Scioto County since 1995, causing approximately $10.5 million in property damage.

Severe Wind and Tornadoes

Tornadoes usually occur during severe thunderstorm events. Scioto County has experienced at least seven tornadoes since 1995. Tornadoes have caused approximately $640,000 in property and crop damage.

Severe Winter Weather

Winter storms can include extreme cold, freezing rain, ice, snow, high winds, or any combination of these conditions. There have been 112 events in Scioto County since 1995, causing approximately $2 million in property and crop damage.

Wildfire

Wildfires are fires that occur in the wilderness or countryside and can spread quickly. Scioto County has an average of 19 wildfire events per year between 2018 and 2022.

Hazard Mitigation

Purpose of Hazard Mitigation

According to the Federal Emergency Management Agency (FEMA), hazard mitigation is any sustained action taken to reduce or eliminate the long-term risk to human life and property from hazards such as tornadoes, flooding, and winter and severe storms. Mitigation activities may be implemented prior to, during, or after an incident. However, hazard mitigation has been shown to be most effective when based on an inclusive, comprehensive, long-term plan that is developed before a disaster occurs.

Because of this, federal regulations were developed through the Robert T. Stafford Disaster Relief and Emergency Assistance Act of 1988 and the Disaster Mitigation Act of 2000, to provide for state, local, and tribal governments to undertake a risk-based approach to reducing risks to natural hazards through mitigation planning. Under the Disaster Mitigation Act of 2000, jurisdictions must have an adopted hazard mitigation plan to remain eligible for pre- and post-mitigation disaster funding.

Federal Requirements

To receive FEMA funding, hazard mitigation plans must be adopted by local jurisdictions, updated every 5 years, and include:

- Public participation and documented update process
- Existing conditions and demographics
- Major disaster declarations since the previous plan
- Risk assessments and vulnerability analyses for hazards
- Mitigation actions and their status
- Identified plan maintenance and updates

Planning Process

- **Milestone 1:** Project kickoff; gather data for existing conditions and demographics.
- **Milestone 2:** Public Meeting #1 will provide time for the community to review goals for the plan, rank potential hazards, and determine the status of previous mitigation actions.
- **Milestone 3:** Burton Planning Services will perform risk assessments & vulnerability analyses and develop mitigation actions based on the feedback received from the first public meeting.
- **Milestone 4:** Public Meeting #2 will provide time for the community to review the proposed mitigation actions and rate actions based on relevance to local communities.
- **Milestone 5:** Burton Planning Services will prepare a draft plan based on community feedback and survey results.
- **Milestone 6:** The Ohio Emergency Management Agency and FEMA will conduct reviews of the draft plan.
- **Milestone 7:** Once the plan has been approved by FEMA, the County and participating jurisdictions will adopt the plan.

To Participate: Fill out digital surveys during the public meetings or fill out a paper copy of the surveys and mail them to the County EMA offices. Additionally, go to the link on the back of this page to fill out the surveys online.

Surveys

Goals Survey

The Goals Survey seeks feedback on potential new goals for the 2025 Scioto County Hazard Mitigation Plan.

Link: https://www.surveymonkey.com/r/SciotoGoals

Previous Mitigation Actions Survey

The Mitigation Actions Survey seeks feedback on the status of the mitigation actions included in the 2020 Scioto County Hazard Mitigation plan and asks if the same mitigations actions should be carried into the 2025 Plan.

Link: https://www.surveymonkey.com/r/SciotoPreviousActions

Hazard Priority Survey

The Hazard Priority Survey seeks feedback on each potential hazard to determine which hazards should be included in the 2025 mitigation plan.

Link: https://www.surveymonkey.com/r/SciotoHazardPriority

Questions & Contact

You may reach out to the Scioto County Emergency Management Agency for questions or to return physical surveys via mail.

Scioto County EMA
Larry Mullins, EMA Director
Email: sciotoema@frontier.com
Office: 740-355-8300

Burton Planning Services
Kimberly Cousins, Project Manager, Senior Resiliency Specialist
Email: kcousins@burtonplanning.com
Office: 330-573-0720

NAME:	POSITION:	JURISDICTION:

INTEGRATION SURVEY

It is important to revisit your previous Hazard Mitigation Plan and learn how you integrated the plan into your other local plans and other planning processes. Below is a list of possible plans your County has. Please let us know if you have the Plan listed and how you integrated your previous Hazard Mitigation Plan into it.

Example:

Plan Name	Available
Zoning Ordinances	Yes
Prohibiting development within the most hazardous parts of the floodplain and restriction of development near earthquake faults or on steep slopes.	

Local Plan Details:

Plan Name	Available
Emergency Operations Plan	
Comprehensive Plan	
Capital Improvement Plan	
Building Code	
Zoning Ordinances	

Plan Name	Available
Capital Improvements Program	
Stormwater Management Plans	
Other:	
Other:	
Other:	
Other:	

NAME:	POSITION:

GOALS SURVEY

January 2025

It is important to revisit the goals and objectives from Scioto County's 2020 Hazard Mitigation Plan to help guide the current update to the plan.

Previous Goals
Please determine which of the previous goals, if any, should be included in the next plan.

- ☐ Reduce or eliminate impact of hazards on public safety, lives, property, and infrastructure.
- ☐ Increase survivability of emergency communications.
- ☐ Plan for safe development.
- ☐ Create self-sufficiency.
- ☐ Increase public awareness.

New Goals
Please draft new goals for the plan on the lines below.

- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____

Please provide any additional comments on the goals in the space provided below.

NAME:	POSITION:

Hazard Priorities Survey

January 2025

Instructions:

1. Consider each hazard below.
2. Rate each hazard on a scale of 0 to 5 based on how important each hazard is to your community.
3. If a hazard should not be studied, give it a zero (0).
4. Provide any comments you would like to share regarding your selected ratings.

2020 Hazards	Priority Ratings (Circle One Score)					
	Do not Include	Lowest Priority	Low-Medium Priority	Medium Priority	Medium-High Priority	Highest Priority
1. Dam/Levee Failure	0	1	2	3	4	5
2. Drought and Extreme Heat	0	1	2	3	4	5
3. Earthquakes	0	1	2	3	4	5
4. Flooding	0	1	2	3	4	5
5. Invasive Species	0	1	2	3	4	5
6. Landslides and Land Subsidence	0	1	2	3	4	5
7. Severe Summer Weather	0	1	2	3	4	5
8. Severe Winter Weather	0	1	2	3	4	5
9. Tornadoes	0	1	2	3	4	5
10. Wildfire	0	1	2	3	4	5

Additional Comments
• *Are there any hazards not listed that you would like to see included in the 2025 plan?* • *Any other additional comments.*

PREVIOUS MITIGATION ACTIONS STATUS

Previous Mitigation Actions

As part of each Hazard Mitigation Plan, the County is tasked with developing a list of mitigation actions that can help prepare communities and their residents for hazards, as well as lessen the impact of these hazards.

As part of this process, the status of each mitigation action included in Scioto County's 2020 Hazard Mitigation Plan needs to be determined.

In the following tables, enter your name and position and select one of the following status options for each mitigation action in your jurisdiction:

- **Completed** (indicate when the action was completed)
- **Deleted** (indicate why the action was deleted)
- **Deferred** (indicate why the action was deferred)
- **Unchanged** (indicate why the action remains unchanged)
- **Ongoing** (include percentage complete or description of progress – e.g. "Ongoing (20% Complete" or "Completed annually from 2020-2025").

By marking the actions as **Deferred**, **Unchanged**, or **Ongoing** the action will be added to the new plan. In order to rank them effectively we ask that you score each of the following:

1. **Cost Effective** – Rank 1 – 5 – the cost effectiveness of each proposed mitigation action, with 5 being the most cost effective and 1 being the least cost effective.
2. **Technically Feasible** – Rank 1 – 5 – the feasibility of each proposed mitigation action, with 5 being the most feasible and 1 being the least feasible.
3. **Environmentally Sound** – Rank 1 – 5 – the proposed mitigation action in terms of how environmentally sound it seems, with 5 being the most sound and 1 being the least sound.
4. **Immediate Need** – Rank 1 – 5 – whether each proposed mitigation action is needed immediately, with 5 being the most immediate need and 1 being not an immediate need.
5. **Risk Reduction** – Rank 1 – 5 – the proposed mitigation action on the extent to which it will reduce the total risk of the associated hazard, with 5 being the greatest contribution to risk reduction and 1 being the least contribution to risk reduction.

If you have any additional comments for a mitigation action, please leave them below each action.

NAME:	POSITION:

Scioto County

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Adopt higher flood standards than NFIP minimums due to historical flood events and to reduce future damages.	Flooding	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Conduct a hydrologic and hydraulic (H&H) study of Scioto County.	Flooding	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Identify/resolve potential landslide locations.	Landslides and Land Subsidence	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

NAME:	POSITION:

Scioto County

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Anchor mobile homes and propane tanks.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Construct Safe Rooms – Community.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Construct Safe Rooms – Residential.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

NAME:	POSITION:

Scioto County

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Create rental housing inspection and permit program.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Develop and implement an all-hazards public education program.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Encourage jurisdictions to establish zones/building codes to control land use in at-risk areas.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

NAME:	POSITION:

Scioto County

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Enhance public warning systems.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Establish community shelters.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Increase rural broadband coverage.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

NAME:	POSITION:

Scioto County

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Install generators at critical facilities.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Mitigate structures in flood-prone areas.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Purchase stock of PPE for first responders.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

NAME:	POSITION:

Scioto County

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Rehabilitate dams known to be of high hazard.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Remove debris in streams.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Update dam Emergency Action Plans; update inundation data for dams without EAPs or no current inundation data.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

NAME:	POSITION:

Scioto County

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Upgrade undersized/establish storm water drainage systems.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

NAME:	POSITION:

City of Portsmouth

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Adopt higher flood standards than NFIP minimums due to historical flood events and to reduce future damages.	Flooding	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Repair/upgrade wastewater and water treatment plants.	Flooding	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Replace antiquated floodwall pump station control systems.	Flooding	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

NAME:	POSITION:

City of Portsmouth

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Create rental housing inspection and permit program.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Eliminate combined sewer system backflow.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Encourage jurisdictions to establish zones/building codes to control land use in at-risk areas.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

NAME:	POSITION:

City of Portsmouth

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Reduce systematic problems caused by utility line ruptures.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Anchor mobile homes and propane tanks.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Construct Safe Rooms – Community.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

NAME:	POSITION:

City of Portsmouth

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Establish community shelters.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Mitigate structures in flood-prone areas.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Remove debris in streams.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

NAME:	POSITION:

Village of New Boston

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Adopt higher flood standards than NFIP minimums due to historical flood events and to reduce future damages.	Flooding	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Anchor mobile homes and propane tanks.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Construct Safe Rooms – Community.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

NAME:	POSITION:

Village of New Boston

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Create rental housing inspection and permit program.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Eliminate combined sewer system backflow.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Encourage jurisdictions to establish zones/building codes to control land use in at-risk areas.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

NAME:	POSITION:

Village of New Boston

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Establish community shelters.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Mitigate structures in flood-prone areas.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Reduce systematic problems caused by utility line ruptures.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

NAME:	POSITION:

Village of New Boston

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Remove debris in streams.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

NAME:	POSITION:

Village of Otway

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Adopt higher flood standards than NFIP minimums due to historical flood events and to reduce future damages.	Flooding	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Anchor mobile homes and propane tanks.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Construct Safe Rooms – Community.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

NAME:	POSITION:

Village of Otway

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Create rental housing inspection and permit program.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Encourage jurisdictions to establish zones/building codes to control land use in at-risk areas.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Establish community shelters.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

NAME:	POSITION:

Village of Otway

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Mitigate structures in flood-prone areas.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Reduce systematic problems caused by utility line ruptures.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Remove debris in streams.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

NAME:	POSITION:

Village of Rarden

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Adopt higher flood standards than NFIP minimums due to historical flood events and to reduce future damages.	Flooding	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Anchor mobile homes and propane tanks.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Construct Safe Rooms – Community.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

NAME:	POSITION:

Village of Rarden

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Create rental housing inspection and permit program.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Encourage jurisdictions to establish zones/building codes to control land use in at-risk areas.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Establish community shelters.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

NAME:	POSITION:

Village of Rarden

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Mitigate structures in flood-prone areas.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Reduce systematic problems caused by utility line ruptures.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Remove debris in streams.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

NAME:	POSITION:

Village of South Webster

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Adopt higher flood standards than NFIP minimums due to historical flood events and to reduce future damages.	Flooding	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Anchor mobile homes and propane tanks.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Construct Safe Rooms – Community.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

NAME:	POSITION:

Village of South Webster

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Create rental housing inspection and permit program.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Establish community shelters.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Mitigate structures in flood-prone areas.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

NAME:	POSITION:

Village of South Webster

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Reduce systematic problems caused by utility line ruptures.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Remove debris in streams.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

NAME:	POSITION:

Bloom Township

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Identify/resolve potential landslide locations.	Landslides and Land Subsidence	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Anchor mobile homes and propane tanks.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Construct Safe Rooms – Community.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

NAME:	POSITION:

Bloom Township

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Establish community shelters.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Increase rural broadband coverage.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Mitigate structures in flood-prone areas.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

NAME:	POSITION:

Bloom Township

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Remove debris in streams.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

NAME:	POSITION:

Brush Creek Township

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Identify/resolve potential landslide locations.	Landslides and Land Subsidence	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Anchor mobile homes and propane tanks.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Construct Safe Rooms – Community.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

NAME:	POSITION:

Brush Creek Township

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Establish community shelters.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Increase rural broadband coverage.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Mitigate structures in flood-prone areas.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

NAME:	POSITION:

Brush Creek Township

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Remove debris in streams.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

NAME:	POSITION:

Clay Township

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Identify/resolve potential landslide locations.	Landslides and Land Subsidence	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Anchor mobile homes and propane tanks.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Construct Safe Rooms – Community.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

NAME:	POSITION:

Clay Township

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Establish community shelters.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Increase rural broadband coverage.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Mitigate structures in flood-prone areas.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

NAME:	POSITION:

Clay Township

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Remove debris in streams.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Upgrade undersized/establish storm water drainage systems.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

NAME:	POSITION:

Green Township

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Identify/resolve potential landslide locations.	Landslides and Land Subsidence	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Anchor mobile homes and propane tanks.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Construct Safe Rooms – Community.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

NAME:	POSITION:

Green Township

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Establish community shelters.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Increase rural broadband coverage.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Mitigate structures in flood-prone areas.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

NAME:	POSITION:

Green Township

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Remove debris in streams.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

NAME:	POSITION:

Harrison Township

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Identify/resolve potential landslide locations.	Landslides and Land Subsidence	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Anchor mobile homes and propane tanks.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Construct Safe Rooms – Community.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

NAME:	POSITION:

Harrison Township

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Establish community shelters.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Increase rural broadband coverage.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Mitigate structures in flood-prone areas.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

NAME:	POSITION:

Harrison Township

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Remove debris in streams.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

NAME:	POSITION:

Jefferson Township

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Identify/resolve potential landslide locations.	Landslides and Land Subsidence	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Anchor mobile homes and propane tanks.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Construct Safe Rooms – Community.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

NAME:	POSITION:

Jefferson Township

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Establish community shelters.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Increase rural broadband coverage.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Mitigate structures in flood-prone areas.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

NAME:	POSITION:

Jefferson Township

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Remove debris in streams.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

NAME:	POSITION:

Madison Township

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Identify/resolve potential landslide locations.	Landslides and Land Subsidence	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Anchor mobile homes and propane tanks.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Construct Safe Rooms – Community.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

NAME:	POSITION:

Madison Township

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Establish community shelters.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Increase rural broadband coverage.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Mitigate structures in flood-prone areas.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

NAME:	POSITION:

Madison Township

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Remove debris in streams.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

NAME:	POSITION:

Morgan Township

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Identify/resolve potential landslide locations.	Landslides and Land Subsidence	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Anchor mobile homes and propane tanks.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Construct Safe Rooms – Community.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

NAME:	POSITION:

Morgan Township

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Establish community shelters.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Increase rural broadband coverage.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Mitigate structures in flood-prone areas.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

NAME:	POSITION:

Morgan Township

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Remove debris in streams.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

NAME:	POSITION:

Nile Township

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Reduce erosion of streams.	Flooding	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Identify/resolve potential landslide locations.	Landslides and Land Subsidence	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Anchor mobile homes and propane tanks.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

NAME:	POSITION:

Nile Township

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Construct Safe Rooms – Community.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Establish community shelters.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Increase rural broadband coverage.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

NAME:	POSITION:

Nile Township

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Mitigate structures in flood-prone areas.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Remove debris in streams.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

NAME:	POSITION:

Porter Township

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Identify/resolve potential landslide locations.	Landslides and Land Subsidence	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Anchor mobile homes and propane tanks.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Construct Safe Rooms – Community.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

NAME:	POSITION:

Porter Township

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Establish community shelters.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Increase rural broadband coverage.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Mitigate structures in flood-prone areas.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

NAME:	POSITION:

Porter Township

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Remove debris in streams.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Upgrade undersized/establish storm water drainage systems.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

NAME:	POSITION:

Rarden Township

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Identify/resolve potential landslide locations.	Landslides and Land Subsidence	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Anchor mobile homes and propane tanks.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Construct Safe Rooms – Community.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

NAME:	POSITION:

Rarden Township

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Establish community shelters.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Increase rural broadband coverage.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Mitigate structures in flood-prone areas.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

NAME:	POSITION:

Rarden Township

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Remove debris in streams.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

NAME:	POSITION:

Rush Township

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Identify/resolve potential landslide locations.	Landslides and Land Subsidence	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Anchor mobile homes and propane tanks.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Construct Safe Rooms – Community.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

NAME:	POSITION:

Rush Township

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Establish community shelters.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Increase rural broadband coverage.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Mitigate structures in flood-prone areas.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

NAME:	POSITION:

Rush Township

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Remove debris in streams.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

NAME:	POSITION:

Union Township

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Identify/resolve potential landslide locations.	Landslides and Land Subsidence	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Anchor mobile homes and propane tanks.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Construct Safe Rooms – Community.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

NAME:	POSITION:

Union Township

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Establish community shelters.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Increase rural broadband coverage.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Mitigate structures in flood-prone areas.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

NAME:	POSITION:

Union Township

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Remove debris in streams.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

NAME:	POSITION:

Valley Township

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Identify/resolve potential landslide locations.	Landslides and Land Subsidence	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Anchor mobile homes and propane tanks.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Construct Safe Rooms – Community.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

NAME:	POSITION:

Valley Township

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Establish community shelters.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Increase rural broadband coverage.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Mitigate structures in flood-prone areas.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

NAME:	POSITION:

Valley Township

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Remove debris in streams.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

NAME:	POSITION:

Vernon Township

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Identify/resolve potential landslide locations.	Landslides and Land Subsidence	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Anchor mobile homes and propane tanks.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Construct Safe Rooms – Community.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

NAME:	POSITION:

Vernon Township

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Establish community shelters.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Increase rural broadband coverage.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Mitigate structures in flood-prone areas.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

NAME:	POSITION:

Vernon Township

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Remove debris in streams.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

NAME:	POSITION:

Washington Township

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Identify/resolve potential landslide locations.	Landslides and Land Subsidence	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Anchor mobile homes and propane tanks.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Construct Safe Rooms – Community.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

NAME:	POSITION:

Washington Township

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Establish community shelters.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Increase rural broadband coverage.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Mitigate structures in flood-prone areas.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

NAME:	POSITION:

Washington Township

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Remove debris in streams.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

PUBLIC MEETING ANNOUNCEMENT

Scioto County was recently awarded a Pre-Disaster Mitigation Grant to update our County's Hazard Mitigation Plan. This update is required by FEMA every five years to remain eligible for funding for projects. Municipalities, police and fire departments, schools, businesses, and the public may receive funding for any mitigation strategy found in the approved and adopted plan update. Community input is critical to this plan's success (and the FEMA approval process). As such, **we are asking for your participation in the planning process at one of the following meetings.**

Public Meeting 1
Thursday, December 12, 2024, at 5:00 PM
Scioto County Welcome Center
342 2nd Street
Portsmouth, Ohio 45662

Public Meeting 2
Thursday, February 20, 2025, at 5:00 PM
Scioto County Welcome Center
342 2nd Street
Portsmouth, Ohio 45662

These meetings will be offered in multiple formats that allow stakeholders and the public to participate however they are available and comfortable. These meeting formats will include live in-person meetings, or online via Microsoft teams, and paper and digital surveys. Links to the meetings can be found on the Scioto Hazard Mitigation Plan Website linked below.

Prior to the meeting, we have two action items for your completion:

1. **Review the attached items**, which describe the goal of the hazard mitigation planning process, who is involved in updating the plan, why the plan needs to be updated, and an overview of the planning process and schedule.
2. **Complete the Goals & Hazard Priority Surveys** prior to the meeting by accessing the surveys via project webpage, where you can choose to complete the surveys online via a SurveyMonkey or download a PDF.

Many of you may wonder why you have been asked to participate in this process. Updating the Hazard Mitigation Plan every five years allows us to identify opportunities to lessen the potential impacts from disasters and allows us to evaluate projects that have been completed during the past five-year cycle. All possible projects are identified by YOU, our community leaders. Once our plan has gone through the FEMA approval process and has been adopted locally, we can apply for grant funding that could potentially cover 75% of the costs associated with those projects.

Thank you for supporting our project and we look forward to seeing you on December 12th!

Reference Material Links

1. Plan Overview (link)
2. 2020 Hazard Mitigation Plan (link)
3. Scioto Hazard Mitigation Plan website (link)

Larry Mullins, Director
Scioto County Emergency Management Agency
729 Sixth Street
Portsmouth, Ohio 45662
Phone: (740) 353-2804
Email: sciotoema@frontier.com

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Scioto County Emergency Management Agency
729 Sixth Street
Portsmouth, Ohio 45662
Phone: (740) 353-2804

Scioto County Emergency Management Agency
Scioto County Emergency Management Agency
729 Sixth Street
Portsmouth, Ohio 45662
Phone: (740) 353-2804

July 8, 2025

To Whom it May Concern:

The Scioto County Hazard Mitigation Plan is due for updating. It is necessary to update the Plan every five years so that the County and participating communities remain eligible for pre-disaster and post-disaster mitigation grant programs.

We are currently in the process of identifying potential hazards and are in need of participation by residents in Scioto County. A public involvement meeting has been arranged for **Thursday, January 16, 2025, from 5:00-7:00 PM** via Microsoft Teams and in person at the Scioto County Welcome Center with public attendance very much needed for feedback. Members of the public can join the virtual meeting using the following links and phone numbers:

Public Meeting
Thursday, January 16, 2025, at 5:00 PM

Please join the meeting from your computer, tablet, or smartphone.
Access the Microsoft Teams Meeting Link at burtonplanning.com/scioto-hmp.

You can also dial in using your phone (audio only)
+1 469-998-7570
Phone Conference ID: 831 837 049#

Meeting materials will also be made available on the project website (https://burtonplanning.com/scioto-hmp/). At this meeting each potential natural, geological, and human-caused hazard will be reviewed to determine its potential threat to Scioto County. The public's feedback is essential to provide input on any potential hazards and to rate the priority of the hazards that will be included in the next plan.

Signed,

Larry Mullins, Scioto County EMA Director

SCIOTO COUNTY WELCOME CENTER
342 SECOND STREET
OWNED AND OPERATED BY
COMMUNITY ACTION OF SCIOTO COUNTY
THE SCIOTO COUNTY
OHIO RIVER SCENIC

SCIOTO COUNTY WELCOME CENTER

WELCOME CENTER
THE SCIOTO COUNTY
PORTSMOUTH
OHIO · USA
OHIO RIVER SCENIC BYWAYS
OHIO
INDIANA
ILLINOIS
STEUBENVILLE
WHEELING
MARIETTA
BELPRE
PARKERSBURG
POINT PLEASANT
PORTSMOUTH

WELCOME CENTER
THE SCIOTO COUNTY
PORTSMOUTH
OHIO·USA
OHIO RIVER SCENIC
ILLINOIS
INDIANA
BYWAYS
OHIO
STEUBENVILLE
WHEELING
MARIETTA
BEVERLY
MARYSVILLE
MT. PLEASANT
PORTSMOUTH
MARIETTA

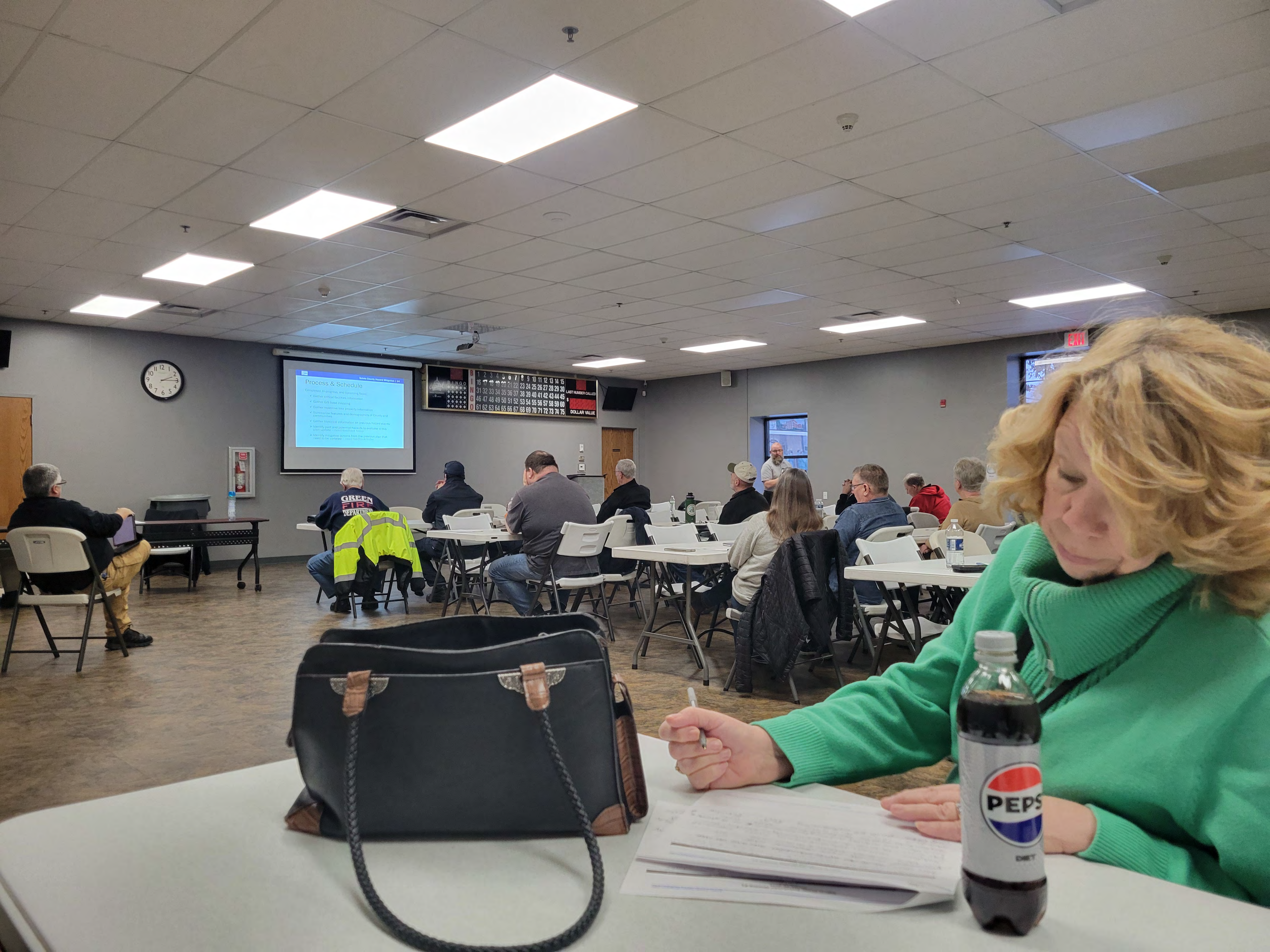
-PORTSMOUTH AREA-
CHAMBER of
COMMERCE
EXPLORE
SCIOTO
VISITORS BUREAU
MAIN STREET PORTSMOUTH
In Bloom

SCIOTO COUNTY WELCOME CENTER
342 SECOND STREET
OWNED AND OPERATED BY
COMMUNITY ACTION OF SCIOTO COUNTY
THE SCIOTO COUNTY
OHIO RIVER SCENIC

Antiques
EHOUSE
MERRY CHRISTMAS.
Boneyfiddle
JEFFERSON ST
ATM
HERITAGE
STEEL

SCIOTO COUNTY WELCOME CENTER
342 SECOND STREET
OWNED AND OPERATED BY
COMMUNITY ACTION OF SCIOTO COUNTY
THE SCIOTO COUNTY
OHIO RIVER SCENIC BYWAYS
WELCOME CENTER

OPEN TO ALL
SCIOTO COUNTY HELPING CENTER
COMMUNITY ACTION OF SCIOTO COUNTY


Process & Schedule
Bolivar County Hazard Mitigation | 14
Completed, In-progress, and Upcoming Tasks:
Gather critical facilities information
Gather GIS base mapping
Gather repetitive loss property information
Summarize features and demographics of County and communities
Gather historical information on previous hazard events
Identify past and potential hazards to evaluate in this plan update – Council feedback today
Identify mitigation actions from the previous plan that need to be updated – Council feedback today
GREEN
FIRE
DEPARTMENT
BINGO
LAST NUMBER CALLED
DOLLAR VALUE
EXIT
PEPSI
DIET

EXIT
Scioto County Hazard Mitigation | 11
Hazard Mitigation Overview
Overall benefits of hazard mitigation planning:
1. Minimize property damage, economic loss, injuries, and loss of human life
2. Enhance public awareness and education of natural and man made hazards
3. Coordinate interjurisdictional preparedness measures, mitigation actions, and programs for efficient and effective implementation
4. Provide tools for decision makers to better prepare for disasters
5. Achieve state and federal regulatory compliance to be eligible for funding
BINGO
B I N G O
1 2 3 4 5 6 7
16 17 18 19 20 21 22
31 32 33 34 35 36 37
46 47 48 49 50 51 52
61 62 63 64 65 66 67

Hazard Mitigation Overview
Overall benefits of hazard mitigation planning:
6. Municipalities: funds for related building/infrastructure
seeds, such as addressing issues caused by hazards or
improvements to reduce future issues
7. Police & Fire: funds for safety-related equipment &
resources
8. Schools: funds for school safety-related
equipment/resources
9. Businesses: reduce/eliminate site & operational impacts
10. General Public: reduce/eliminate monetary & emotional
costs from lost lives & homes

SCIOTO COUNTY WELCOME CENTER
342 SECOND STREET
OWNED AND OPERATED BY
COMMUNITY ACTION OF SCIOTO COUNTY
THE SCIOTO COUNTY
OHIO RIVER SCENIC
BYWAYS

CAO OF SCIOTO COUNTY
Welcome Center
Helping People. Changing Lives.
PORTSMOUTH AREA
CHAMBER of COMMERCE
SCIOTO VISITORS BUREAU
Portsmouth Murals, Inc.
REAL ESTATE GALLERY, INC.
(740) 574-9902 REALESTATEGALLERY.COM
MAIN STREET PORTSMOUTH
Gift Shop
ADAMS WEALTH
MANAGEMENT GROUP

Sign-In Sheet: Stakeholder Meeting #1

January 16, 2025
2:00 p.m.

NAME	PHONE	EMAIL	EMPLOYER	TITLE
George Moore	740-464-6071	green.fire.dept@gmail.com	Green FD	Chief
Anthony Shy	740-357-3897	Butch_73@Hotmail.com	Washington FD	Chief
Jeremy Litteral	740-820-3896	jlitteral@minfordfalcons.net	Minford LSD	Superintendent
Jacob Bench	937 245 1946	jacob.bench@dnr.ohio.gov	ODNR	Engineer
Alicia Silvario	614 265 1006	alicia.silvario@dnr.ohio.gov	ODNR	Floodplain Program Manager
Mike Mershon	740 464 4169	mikemershon@portertwp	Porter	SSD
Dylan Hale	740 464 9909	porterfd@portertwp.com	Porter Fire	Supervisor
Jim Delaber	740 529-9811	jmdelaba@hotmail.com	Retired	LEPC Member
Holly Johnson		hjohnson@AER.com	AER	BSTAM
Roy Grimmett	304 544 9207	roy.grimmett2@redcross.org	Red Cross	Disaster Program Mgr
Ronald Syronay	513-513-7740	[illegible]	Village of Rarden	Mayor
Denise Rose		KKrose38@gmail.com		Mayor - Otway
Kyle Copley		kyle.copley@sciototech.org	SCCTC	Superintendent
Scott Rolfe		scott.rolfe@valleyls.org	Valley Local	Superintendent
Dan Clevidence		dtclevidence@dps.ohio.gov	Ohio EMA	Mit. Specialist

Sign-In Sheet: Stakeholder Meeting #1

January 16, 2025
2:00 p.m.

NAME	PHONE	EMAIL	EMPLOYER	TITLE
LUAN NGUYEN	614 799 3531	LKNguyen@dps.ohio.gov	OEMA	Mitigation Planner
Darren LeBrun	740-285-2515	darren.lebrun @ sciotocountyengineer.org	Scioto County	County Engineer
SCOTT LEWIS	740-250-2862	scott.lewis@ohiomachnet.net	SCIOTO SWCD	DIST. MNGR.
[illegible]	740 354-2888	JJSCHUMAN@DPS.OHIO.GOV	OSHP	LT.
RYAN ROBIRDS	740-354-2888	RERobirds @ DPS.OHIO.GOV	OSHP	SGT
Sandy Mers	740-339-2937	sandy.mers@scoesc.org	SCOESC	Superintendent
Don Simco	740-353-2400	don.simco@use.salvationarmy.org ~~use.salvationarmy.org~~	SALVATION ARMY ~~Salvation Army~~	OFFICER
DAVID THOROUGHMAN	740-961-2956	david.thoroughman@sciotocountysheriff.com	Sher. OFFICE	Sher.
Tammy Moore Morton	740-355-8931	Tamela.Moore@jfs.ohio.gov	SCDJFS	Director
Steve Hamilton	740-824-6425	steve.hamilton39@yahoo.com	New Boston	Administrator
Cindy OAKES	800-582-7277	coakes@aaa7.org	AAA 7	OMBUDSMAN
Abby Spears	740-357-9773	abby@sciotoconnect.org	Scioto Connect	Executive Director
Larry Mullins	740-464-9118	sciotoema@frontier.com	Scioto EMA	Director
BILL LYNN	740-935-7077	SCIOTOEMA@YAHOO.COM	SCIOTO EMA	DEPUTY DIRECTOR

Sign-In Sheet: Public Meeting #1

January 16, 2025
5:00 p.m.

NAME	PHONE	EMAIL	ADDRESS
Matt Taylor	740 250-1061	nilechief@gmail.com	PO Box 100 Friendship, OH 45601
Matthew McCorkle	740-285-6171	matthew.mccorkle@portsmouthtrojans.net	724 Findlay Ave. Portsmouth
Chris Smith	740 352-2560	chris.smith@portsmouthohio.org	605 Washington
DAVID THOROUGHMAN	740-961-2956	on file	S.O. Sheriff
Larry Mullins	740-464-9118	sciotoema@frontier.com	2315 Scioto Trail, Portsmouth, OH
BILL LYNN	740-935-7077	SCIOTOEMA@YAHOO.COM	729 6TH STREET, PORTSMOUTH, OHIO 45662
JACOB BENCH	614-265-6758	jacob.bench@dnr.ohio.gov	2045 MORSE RD, COLUMBUS 43229
Alicia Silvani	6142651006	alicia.silvani@dnr.ohio.gov	2045 Morse Rd, B-3 Columbus, OH 43229
Dan Clevidence	614-7993533	dtclevidence@dps.ohio.gov	Ohio EMA
LUAN NGUYEN	614 799 3531	LKNguyen@dps.ohio.gov	OEMA

Sign-In Sheet: Stakeholder Meeting #1

January 16, 2025
2:00 p.m.

NAME	PHONE	EMAIL	EMPLOYER	TITLE
George Moore	740-464-6071	Green.fire.dept@gmail.com	Green Fire Dept.	Chief
Anthony Shy	740-357-3897	Butch_73@hotmail.com	Washington FD	Chief
Jeremy Litteral	740-820-3896	jlitteral@minfordfalcons.net	Minford LSD	Superintendent
Jacob Bench	937-245-1946	Jacob.bench@dnr.ohio.gov	ODNR	Engineer
Alicia Silverio	614-265-1006	Alicia.silverio@dnr.ohio.gov	ODNR	Floodplain Program Manager
Mike Mersho	740-464-4169	mikemersho@portertwp.com	Porter	SSD
Dylan Hale	740-464-9909	porterfd@portertwp.com	Porter Fire Dept.	Supervisor
Jim Delabar	740-529-9811	jmdelabar@hotmail.com	Retired	LEPC Member
Holly Johnson		hjohnson@aer.com	AER	BSAM
Roy Grimmett	304-544-9207	Roy.grimmett2@redcross.org	Red Cross	Disaster Program Mgr.
Ronald Syroney	513-515-2740	rardonvillage@yahoo.com	Village of Rardon	Mayor
Denise Rose		Kkrose38@gmail.com	Village of Otway	Mayor
Kyle Copley		Kyle.copley@sciototech.org	Scioto County Career Technical Center	Superintendent
Scott Rolfe		Scott.rolfe@valleyls.org	Valley Local Schools	Superintendent
Dan Clevidence		dtclevidence@dps.ohio.gov	Ohio EMA	Mitigation Specialist

Sign-In Sheet: Stakeholder Meeting #1

January 16, 2025
2:00 p.m.

NAME	PHONE	EMAIL	EMPLOYER	TITLE
Luan Nguyen	614-799-3531	lknguyen@dps.ohio.gov	OEMA	Mitigation Planner
Darren LeBrun	740-285-2515	Darren.lebrun@sciotocountyengineer.org	Scioto County	County Engineer
Scott Lewis	740-250-2862	Scott.lewis@ohnordnet.net	Scioto SWCD	District Manager
Jake Schudlt	710-354-2888	Jjschuldt@dps.ohio.gov	OHSP	Lieutenant
Randy Robirds	740-354-2888	rerobirds@dps.ohio.gov	OHSP	Sergeant
Sandy Mers	740-339-2937	Sandy.mers@scoesc.org	South Central Ohio ESC	Superintendent
Dan Simco	740-353-2400	Dan.simco@use.salvationarmy.org	Salvation Army	Officer
David Thoroughman	740-961-2956	David.thoroughman@sciotocountysheriff.com	Sheriff's Office	Sheriff
Tammy Moore Morton	740-355-8931	Tamela.moore@jfs.ohio.gov	Scioto County Dept. of Job and Family Svcs.	Director
Steve Hamilton	740-821-6425	Steve.hamilton39@yahoo.com	Village of New Boston	Administrator
Cindy Oakes	800-58-7277	coakes@aaa7.org	Area Agency on Aging District 7	Ombudsman
Abby Spears	740-357-9773	abby@sciotoconnect.org	Scioto Connect	Executive Director
Larry Mullins	740-464-9118	sciotoema@frontier.net	Scioto EMA	Director
Bill Lynn	740-935-7077	sciotoema@yahoo.com	Scioto EMA	Deputy Director

Planning Meeting 2

Outlook

Scioto Mitigation Action Scoring Survey

From Scioto County Ofc <sciotoema@frontier.com>

Date Fri 2/21/2025 10:04 AM

To ssturgill@caosciotocounty.org <ssturgill@caosciotocounty.org>; dan.simco@use.salvationarmy.org <dan.simco@use.salvationarmy.org>; cgullion@compasspointhousing.org <cgullion@compasspointhousing.org>; lthomas@mysolace.org <lthomas@mysolace.org>; abby@sciotoconnect.org <abby@sciotoconnect.org>; devin.urevick@redcross.org <devin.urevick@redcross.org>; coakes@aaa7.org <coakes@aaa7.org>; Roy Grimmett <roy.grimmett2@redcross.org>

Cc Kimberly Cousins <kcousins@burtonplanning.com>; Bill Lynn <sciotoema@yahoo.com>

1 attachment (160 KB)

SciotoHMP_MitigationActionsScoringMatrix_NewMitAction.pdf;

Hello All,

We held our second set of meetings to update the Scioto County Hazardous Mitigation Plan yesterday (2/20/205).

Thank you to everyone that was able to attend. We had great participation and another successful meeting.

If you were not able to attend the meeting you can still participate in the mitigation plan updating process by fill out the Mitigation Action Scoring Matrix survey.

There is a printable copy attached, or you can do it online by going to:

https://www.surveymonkey.com/r/SciotoMitigationActionScoring

If you were at the meeting and did not complete the survey we request you please go online and complete the survey.

Please let me know if you have any questions and/or need any additional information concerning this request.

We appreciate your help!

Larry

Larry Mullins, Director
Scioto County Emergency Management Agency
729 Sixth Street - Lower Level
Portsmouth, OH 45662
Office: 740-355-8300
Cell: 740-285-6336
Fax: 740-353-2804

Outlook

Scioto Mitigation Action Scoring Survey

From Scioto County Ofc <sciotoema@frontier.com>

Date Fri 2/21/2025 10:06 AM

To blong@portsmouthfiredept.com <blong@portsmouthfiredept.com>; green.fire.dept@gmail.com <green.fire.dept@gmail.com>; newbostonfire@hotmail.com <newbostonfire@hotmail.com>; terig44@frontier.com <terig44@frontier.com>; butch_73@hotmail.com <butch_73@hotmail.com>; shad.ruby@yahoo.com <shad.ruby@yahoo.com>; oyoranger@gmail.com <oyoranger@gmail.com>; brhowell@yahoo.com <brhowell@yahoo.com>; davispmd@gmail.com <davispmd@gmail.com>; conkelc@gmail.com <conkelc@gmail.com>; bradsouth65@yahoo.com <bradsouth65@yahoo.com>; j.stewart.12@hotmail.com <j.stewart.12@hotmail.com>; jmontavon34@yahoo.com <jmontavon34@yahoo.com>; Morgantwpfire@gmail.com <Morgantwpfire@gmail.com>; ptfd@roadrunner.com <ptfd@roadrunner.com>; rosemountfd1@gmail.com <rosemountfd1@gmail.com>; chiefhorsley@yahoo.com <chiefhorsley@yahoo.com>

Cc Kimberly Cousins <kcousins@burtonplanning.com>

1 attachment (160 KB)

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Larry

Larry Mullins, Director
Scioto County Emergency Management Agency
729 Sixth Street - Lower Level
Portsmouth, OH 45662
Office: 740-355-8300
Cell: 740-285-6336
Fax: 740-353-2804

Outlook

Scioto Mitigation Action Scoring Survey

From Scioto County Ofc <sciotoema@frontier.com>

Date Fri 2/21/2025 12:06 PM

To raison.wv@gmail.com <raison.wv@gmail.com>; bdavis@sciotocounty.net <bdavis@sciotocounty.net>; blaine.duduit@sciotocountysheriff.com <blaine.duduit@sciotocountysheriff.com>; cathy.coleman@sciotocounty.net <cathy.coleman@sciotocounty.net>; newbostonfire@hotmail.com <newbostonfire@hotmail.com>; christopher.niziol@dot.state.oh.us <christopher.niziol@dot.state.oh.us>; chris.smith@portsmouthoh.org <chris.smith@portsmouthoh.org>; dan.simco@USE.SalvationArmy.org <dan.simco@USE.SalvationArmy.org>; darren.lebrun@sciotocountyengineer.org <darren.lebrun@sciotocountyengineer.org>; HallDS@somc.org <HallDS@somc.org>; David.Dunlap@odrc.state.oh.us <David.Dunlap@odrc.state.oh.us>; david.thoroughman@sciotocountysheriff.com <david.thoroughman@sciotocountysheriff.com>; dbrewer@portsmouthohiopolice.com <dbrewer@portsmouthohiopolice.com>; jeffersonfd12@yahoo.com <jeffersonfd12@yahoo.com>; green.fire.dept@gmail.com <green.fire.dept@gmail.com>; lynn.wilber@ports.pppo.gov <lynn.wilber@ports.pppo.gov>; james.neal@ohio.kdhs.us <james.neal@ohio.kdhs.us>; jhedrick@portsmouthohiopolice.com <jhedrick@portsmouthohiopolice.com>; jdelabar@altivia.com <jdelabar@altivia.com>; jvandeusen@shawnee.edu <jvandeusen@shawnee.edu>

Cc Kimberly Cousins <kcousins@burtonplanning.com>

1 attachment (160 KB)

SciotoHMP_MitigationActionsScoringMatrix_NewMitAction.pdf;

Hello All,

We held our second set of meetings to update the Scioto County Hazardous Mitigation Plan yesterday (2/20/205).

Thank you to everyone that was able to attend. We had great participation and another successful meeting.

If you were not able to attend the meeting you can still participate in the mitigation plan updating process by fill out the Mitigation Action Scoring Matrix survey.

There is a printable copy attached, or you can do it online by going to:

Scioto County Hazard Mitigation Plan: Previous and New Mitigation Action Scoring Matrix

If you were at the meeting and did not complete the survey, we request you please go online and complete the survey.

Please let me know if you have any questions and/or need any additional information concerning this request.

We appreciate your help!

Larry

Larry Mullins, Director
Scioto County Emergency Management Agency
729 Sixth Street - Lower Level
Portsmouth, OH 45662
Office: 740-355-8300
Cell: 740-285-6336
Fax: 740-353-2804

facebook.com/photo/?fbid=931296225846394&set=a.162852196024138
New Chrome available
AEP Ohio | Costco Visa | USAA - Welcome to... | Verizon Wireless | myPay Web Site | Writing Contests, Gr... | Fifth Third Banking... | Capital One | Login Page | Vetera... | All Bookmarks

Scioto Ema
February 17 ·

The Scioto County EMA will hold the second series of planning meetings for the 2025 Scioto County Hazard Mitigation Plan (HMP) update on Thursday, February 20, 2025 at the Scioto County Welcome Center at 842 2nd Street, Portsmouth, OH. Two meetings are scheduled on February 20. A stakeholder's meeting at 2 PM and a public meeting at 5 PM. The public is invited to attend and participate. The update process will review local risks and mitigation projects that can lessen the impact of local hazards when they occur.

The existing plan is available on the Scioto County EMA website at www.SciotoEMA.com for review and comment. The update committee will meet multiple times during the next several months to ensure current risks, hazards and projects, that may save lives and property, are ready for implementation as grant funds become available. For more information contact the Scioto County EMA at 740-355-8300. **See less**

11 5

Comment as Kimberly Cousins

MITIGATION ACTION SCORING MATRIX

Step One:

In the following tables, enter your name and position and select one of the following status options for each mitigation action in your jurisdiction:

- **Completed** (Use this if the action was completed)
- **Deleted** (Use this if you would like to remove the action from your new plan)
- **Ongoing** (Use this if you would like the action to carry through to your next plan)

Step two:

By marking the actions as Ongoing the action will be added to the new plan. In order to rank them effectively we ask that you score each of the following:

1. **Cost Effective** – Rank 1 – 5 – the cost effectiveness of each proposed mitigation action, with 5 being the most cost effective and 1 being the least cost effective.
2. **Technically Feasible** – Rank 1 – 5 – the feasibility of each proposed mitigation action, with 5 being the most feasible and 1 being the least feasible.
3. **Environmentally Sound** – Rank 1 – 5 – the proposed mitigation action in terms of how environmentally sound it seems, with 5 being the most sound and 1 being the least sound.
4. **Immediate Need** – Rank 1 – 5 – whether each proposed mitigation action is needed immediately, with 5 being the most immediate need and 1 being not an immediate need.
5. **Risk Reduction** – Rank 1 – 5 – the proposed mitigation action on the extent to which it will reduce the total risk of the associated hazard, with 5 being the greatest contribution to risk reduction and 1 being the least contribution to risk reduction.

If you have any additional comments for a mitigation action, please leave them below each action.

Name:	Title:

Bloom Township

Mitigation Action (Strategy)	Risk	Status	Ranking					
Identify/resolve potential landslide locations	Landslides and Land Subsidence	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Anchor mobile homes and propane tanks	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Construct Safe Rooms - Community	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

Name:	Title:

Bloom Township

Mitigation Action (Strategy)	Risk	Status	Ranking					
Establish community shelters	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Increase rural broadband coverage	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Mitigate structures in flood-prone areas	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

Name:	Title:

Bloom Township

Mitigation Action (Strategy)	Risk	Status	Ranking					
Remove debris in streams	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

MITIGATION ACTION SCORING MATRIX

Instructions

To complete this matrix, please write in each mitigation action applicable to your jurisdiction. Please score it from 1-5 for each category described below. For each category, a rating of 1 is the lowest score, a rating of 3 is neutral/unsure, and a rating of 5 is the highest score.

1. **Cost Effective – Rank 1 – 5** – the cost effectiveness of each proposed mitigation action, with 5 being the most cost effective and 1 being the least cost effective.
2. **Technically Feasible – Rank 1 – 5** – the feasibility of each proposed mitigation action, with 5 being the most feasible and 1 being the least feasible.
3. **Environmentally Sound – Rank 1 – 5** – the proposed mitigation action in terms of how environmentally sound it seems, with 5 being the most sound and 1 being the least sound.
4. **Immediate Need – Rank 1 – 5** – whether each proposed mitigation action is needed immediately, with 5 being the most immediate need and 1 being not an immediate need.
5. **Risk Reduction – Rank 1 – 5** – the proposed mitigation action on the extent to which it will reduce the total risk of the associated hazard, with 5 being the greatest contribution to risk reduction and 1 being the least contribution to risk reduction.

We encourage you to consider regularly occurring problems for each hazard listed below and suggest mitigation actions for these problems. You may also list regularly occurring problems within your community without suggesting a mitigation action.

Every jurisdiction (County, City, and Village) must have one mitigation action for each hazard. The following pages include four new FEMA-required actions for you to score. If an action is applicable, please score the action. If it is not applicable to your jurisdiction (i.e. your jurisdiction doesn't have any dams) please skip (don't score) the action.

Following the required new actions, you will have the space to draft new mitigation actions that are applicable to your jurisdiction and score them. Please list the applicable hazard for each new drafted action. Any new actions must correspond with the county's hazard priorities as follows: Hazardous Materials, Utility Failure, Severe Winter Weather, Tornadoes, Flooding, Terrorism, Severe Summer Weather, Epidemic, Drought and Extreme Heat, Invasive Species, Earthquakes, Dam/Levee Failure, Wildfire, and Landslides/Land Subsidence.

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
Required: Work with all jurisdictions on filling in gaps and strengthening capabilities in enacting mitigation strategies.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
Required: Ensure all eligible jurisdictions are participating in the NFIP.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
Required: Ensure all high-hazard potential dams have updated Emergency Action Plans (EAPs) in place.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
Required: Obtain or create inundation maps for all dams.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

MITIGATION ACTION SCORING MATRIX

Step One:

In the following tables, enter your name and position and select one of the following status options for each mitigation action in your jurisdiction:

- **Completed** (Use this if the action was completed)
- **Deleted** (Use this if you would like to remove the action from your new plan)
- **Ongoing** (Use this if you would like the action to carry through to your next plan)

Step two:

By marking the actions as Ongoing the action will be added to the new plan. In order to rank them effectively we ask that you score each of the following:

1. **Cost Effective** – Rank 1 – 5 – the cost effectiveness of each proposed mitigation action, with 5 being the most cost effective and 1 being the least cost effective.
2. **Technically Feasible** – Rank 1 – 5 – the feasibility of each proposed mitigation action, with 5 being the most feasible and 1 being the least feasible.
3. **Environmentally Sound** – Rank 1 – 5 – the proposed mitigation action in terms of how environmentally sound it seems, with 5 being the most sound and 1 being the least sound.
4. **Immediate Need** – Rank 1 – 5 – whether each proposed mitigation action is needed immediately, with 5 being the most immediate need and 1 being not an immediate need.
5. **Risk Reduction** – Rank 1 – 5 – the proposed mitigation action on the extent to which it will reduce the total risk of the associated hazard, with 5 being the greatest contribution to risk reduction and 1 being the least contribution to risk reduction.

If you have any additional comments for a mitigation action, please leave them below each action.

Name:	Title:

Brush Creek Township

Mitigation Action (Strategy)	Risk	Status	Ranking					
Identify/resolve potential landslide locations	Landslides and Land Subsidence	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Anchor mobile homes and propane tanks	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Construct Safe Rooms - Community	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

Name:	Title:

Brush Creek Township

Mitigation Action (Strategy)	Risk	Status	Ranking					
Establish community shelters	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Increase rural broadband coverage	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Mitigate structures in flood-prone areas	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

Name:	Title:

Brush Creek Township

Mitigation Action (Strategy)	Risk	Status	Ranking					
Remove debris in streams	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

MITIGATION ACTION SCORING MATRIX

Instructions

To complete this matrix, please write in each mitigation action applicable to your jurisdiction. Please score it from 1-5 for each category described below. For each category, a rating of 1 is the lowest score, a rating of 3 is neutral/unsure, and a rating of 5 is the highest score.

1. **Cost Effective – Rank 1 – 5** – the cost effectiveness of each proposed mitigation action, with 5 being the most cost effective and 1 being the least cost effective.
2. **Technically Feasible – Rank 1 – 5** – the feasibility of each proposed mitigation action, with 5 being the most feasible and 1 being the least feasible.
3. **Environmentally Sound – Rank 1 – 5** – the proposed mitigation action in terms of how environmentally sound it seems, with 5 being the most sound and 1 being the least sound.
4. **Immediate Need – Rank 1 – 5** – whether each proposed mitigation action is needed immediately, with 5 being the most immediate need and 1 being not an immediate need.
5. **Risk Reduction – Rank 1 – 5** – the proposed mitigation action on the extent to which it will reduce the total risk of the associated hazard, with 5 being the greatest contribution to risk reduction and 1 being the least contribution to risk reduction.

We encourage you to consider regularly occurring problems for each hazard listed below and suggest mitigation actions for these problems. You may also list regularly occurring problems within your community without suggesting a mitigation action.

Every jurisdiction (County, City, and Village) must have one mitigation action for each hazard. The following pages include four new FEMA-required actions for you to score. If an action is applicable, please score the action. If it is not applicable to your jurisdiction (i.e. your jurisdiction doesn't have any dams) please skip (don't score) the action.

Following the required new actions, you will have the space to draft new mitigation actions that are applicable to your jurisdiction and score them. Please list the applicable hazard for each new drafted action. Any new actions must correspond with the county's hazard priorities as follows: Hazardous Materials, Utility Failure, Severe Winter Weather, Tornadoes, Flooding, Terrorism, Severe Summer Weather, Epidemic, Drought and Extreme Heat, Invasive Species, Earthquakes, Dam/Levee Failure, Wildfire, and Landslides/Land Subsidence.

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
Required: Work with all jurisdictions on filling in gaps and strengthening capabilities in enacting mitigation strategies.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
Required: Ensure all eligible jurisdictions are participating in the NFIP.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
Required: Ensure all high-hazard potential dams have updated Emergency Action Plans (EAPs) in place.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
Required: Obtain or create inundation maps for all dams.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
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		Immediate Need	1	2	3	4	5
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		Cost Effective	1	2	3	4	5
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		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
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		Risk Reduction	1	2	3	4	5

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		Cost Effective	1	2	3	4	5
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		Immediate Need	1	2	3	4	5
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		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
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		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
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		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

MITIGATION ACTION SCORING MATRIX

Step One:

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5. **Risk Reduction** – Rank 1 – 5 – the proposed mitigation action on the extent to which it will reduce the total risk of the associated hazard, with 5 being the greatest contribution to risk reduction and 1 being the least contribution to risk reduction.

If you have any additional comments for a mitigation action, please leave them below each action.

Name:	Title and Organization:

City of Portsmouth

Mitigation Action (Strategy)	Risk	Status	Ranking					
Adopt higher flood standards than NFIP minimums due to historical flood events and to reduce future damages	Flooding	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Repair/Upgrade wastewater and water treatment plants	Flooding	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Replace antiquated floodwall pump station control systems	Flooding	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

Name:	Title and Organization:

City of Portsmouth

Mitigation Action (Strategy)	Risk	Status	Ranking					
Anchor mobile homes and propane tanks	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Construct Safe Rooms - Community	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Create rental housing inspection and permit program	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

Name:	Title and Organization:

City of Portsmouth

Mitigation Action (Strategy)	Risk	Status	Ranking					
Eliminate combined sewer system backflow	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Encourage jurisdictions to establish zones/building codes to control land use in at-risk areas	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Establish community shelters	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

Name:	Title and Organization:

City of Portsmouth

Mitigation Action (Strategy)	Risk	Status	Ranking					
Mitigate structures in flood-prone areas	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Reduce systematic problems caused by utility line ruptures	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Remove debris in streams	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

Name:	Title and Organization:

Village of New Boston

Mitigation Action (Strategy)	Risk	Status	Ranking					
Adopt higher flood standards than NFIP minimums due to historical flood events and to reduce future damages	Flooding	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Anchor mobile homes and propane tanks	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Construct Safe Rooms - Community	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

Name:	Title and Organization:

Village of New Boston

Mitigation Action (Strategy)	Risk	Status	Ranking					
Create rental housing inspection and permit program	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Eliminate combined sewer system backflow	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Encourage jurisdictions to establish zones/building codes to control land use in at-risk areas	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

Name:	Title and Organization:

Village of New Boston

Mitigation Action (Strategy)	Risk	Status	Ranking					
Establish community shelters	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Mitigate structures in flood-prone areas	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Reduce systematic problems caused by utility line ruptures	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

Name:	Title and Organization:

Village of New Boston

Mitigation Action (Strategy)	Risk	Status	Ranking					
Remove debris in streams	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

MITIGATION ACTION SCORING MATRIX

Instructions

To complete this matrix, please write in each mitigation action applicable to your jurisdiction. Please score it from 1-5 for each category described below. For each category, a rating of 1 is the lowest score, a rating of 3 is neutral/unsure, and a rating of 5 is the highest score.

1. **Cost Effective – Rank 1 – 5** – the cost effectiveness of each proposed mitigation action, with 5 being the most cost effective and 1 being the least cost effective.
2. **Technically Feasible – Rank 1 – 5** – the feasibility of each proposed mitigation action, with 5 being the most feasible and 1 being the least feasible.
3. **Environmentally Sound – Rank 1 – 5** – the proposed mitigation action in terms of how environmentally sound it seems, with 5 being the most sound and 1 being the least sound.
4. **Immediate Need – Rank 1 – 5** – whether each proposed mitigation action is needed immediately, with 5 being the most immediate need and 1 being not an immediate need.
5. **Risk Reduction – Rank 1 – 5** – the proposed mitigation action on the extent to which it will reduce the total risk of the associated hazard, with 5 being the greatest contribution to risk reduction and 1 being the least contribution to risk reduction.

We encourage you to consider regularly occurring problems for each hazard listed below and suggest mitigation actions for these problems. You may also list regularly occurring problems within your community without suggesting a mitigation action.

Every jurisdiction (County, City, and Village) must have one mitigation action for each hazard. The following pages include four new FEMA-required actions for you to score. If an action is applicable, please score the action. If it is not applicable to your jurisdiction (i.e. your jurisdiction doesn't have any dams) please skip (don't score) the action.

Following the required new actions, you will have the space to draft new mitigation actions that are applicable to your jurisdiction and score them. Please list the applicable hazard for each new drafted action. Any new actions must correspond with the county's hazard priorities as follows: Hazardous Materials, Utility Failure, Severe Winter Weather, Tornadoes, Flooding, Terrorism, Severe Summer Weather, Epidemic, Drought and Extreme Heat, Invasive Species, Earthquakes, Dam/Levee Failure, Wildfire, and Landslides/Land Subsidence.

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
Required: Work with all jurisdictions on filling in gaps and strengthening capabilities in enacting mitigation strategies.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
Required: Ensure all eligible jurisdictions are participating in the NFIP.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
Required: Ensure all high-hazard potential dams have updated Emergency Action Plans (EAPs) in place.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
Required: Obtain or create inundation maps for all dams.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
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		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
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		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
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		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
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Mitigation Action (Strategy)	Risk	Ranking					
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		Immediate Need	1	2	3	4	5
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MITIGATION ACTION SCORING MATRIX

Step One:

In the following tables, enter your name and position and select one of the following status options for each mitigation action in your jurisdiction:

- **Completed** (Use this if the action was completed)
- **Deleted** (Use this if you would like to remove the action from your new plan)
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Step two:

By marking the actions as Ongoing the action will be added to the new plan. In order to rank them effectively we ask that you score each of the following:

1. **Cost Effective** – Rank 1 – 5 – the cost effectiveness of each proposed mitigation action, with 5 being the most cost effective and 1 being the least cost effective.
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If you have any additional comments for a mitigation action, please leave them below each action.

Name:	Title:

Clay Township

Mitigation Action (Strategy)	Risk	Status	Ranking					
Identify/resolve potential landslide locations	Landslides and Land Subsidence	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Anchor mobile homes and propane tanks	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Construct Safe Rooms - Community	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

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Clay Township

Mitigation Action (Strategy)	Risk	Status	Ranking					
Establish community shelters	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Increase rural broadband coverage	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
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Mitigate structures in flood-prone areas	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
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			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

Name:	Title:

Clay Township

Mitigation Action (Strategy)	Risk	Status	Ranking					
Remove debris in streams	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Upgrade undersized/establish storm water drainage systems	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
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If you have any additional comments for a mitigation action, please leave them below each action.

Name:	Title:

Green Township

Mitigation Action (Strategy)	Risk	Status	Ranking					
Identify/resolve potential landslide locations	Landslides and Land Subsidence	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
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Construct Safe Rooms - Community	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
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Green Township

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Name:	Title:

Green Township

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Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
Required: Work with all jurisdictions on filling in gaps and strengthening capabilities in enacting mitigation strategies.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
Required: Ensure all eligible jurisdictions are participating in the NFIP.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
Required: Ensure all high-hazard potential dams have updated Emergency Action Plans (EAPs) in place.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
Required: Obtain or create inundation maps for all dams.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

MITIGATION ACTION SCORING MATRIX

Step One:

In the following tables, enter your name and position and select one of the following status options for each mitigation action in your jurisdiction:

- **Completed** (Use this if the action was completed)
- **Deleted** (Use this if you would like to remove the action from your new plan)
- **Ongoing** (Use this if you would like the action to carry through to your next plan)

Step two:

By marking the actions as Ongoing the action will be added to the new plan. In order to rank them effectively we ask that you score each of the following:

1. **Cost Effective** – Rank 1 – 5 – the cost effectiveness of each proposed mitigation action, with 5 being the most cost effective and 1 being the least cost effective.
2. **Technically Feasible** – Rank 1 – 5 – the feasibility of each proposed mitigation action, with 5 being the most feasible and 1 being the least feasible.
3. **Environmentally Sound** – Rank 1 – 5 – the proposed mitigation action in terms of how environmentally sound it seems, with 5 being the most sound and 1 being the least sound.
4. **Immediate Need** – Rank 1 – 5 – whether each proposed mitigation action is needed immediately, with 5 being the most immediate need and 1 being not an immediate need.
5. **Risk Reduction** – Rank 1 – 5 – the proposed mitigation action on the extent to which it will reduce the total risk of the associated hazard, with 5 being the greatest contribution to risk reduction and 1 being the least contribution to risk reduction.

If you have any additional comments for a mitigation action, please leave them below each action.

Name:	Title:

Harrison Township

Mitigation Action (Strategy)	Risk	Status	Ranking					
Identify/resolve potential landslide locations	Landslides and Land Subsidence	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Anchor mobile homes and propane tanks	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Construct Safe Rooms - Community	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

Name:	Title:

Harrison Township

Mitigation Action (Strategy)	Risk	Status	Ranking					
Establish community shelters	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Increase rural broadband coverage	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Mitigate structures in flood-prone areas	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

Name:	Title:

Harrison Township

Mitigation Action (Strategy)	Risk	Status	Ranking					
Remove debris in streams	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

MITIGATION ACTION SCORING MATRIX

Instructions

To complete this matrix, please write in each mitigation action applicable to your jurisdiction. Please score it from 1-5 for each category described below. For each category, a rating of 1 is the lowest score, a rating of 3 is neutral/unsure, and a rating of 5 is the highest score.

1. **Cost Effective – Rank 1 – 5** – the cost effectiveness of each proposed mitigation action, with 5 being the most cost effective and 1 being the least cost effective.
2. **Technically Feasible – Rank 1 – 5** – the feasibility of each proposed mitigation action, with 5 being the most feasible and 1 being the least feasible.
3. **Environmentally Sound – Rank 1 – 5** – the proposed mitigation action in terms of how environmentally sound it seems, with 5 being the most sound and 1 being the least sound.
4. **Immediate Need – Rank 1 – 5** – whether each proposed mitigation action is needed immediately, with 5 being the most immediate need and 1 being not an immediate need.
5. **Risk Reduction – Rank 1 – 5** – the proposed mitigation action on the extent to which it will reduce the total risk of the associated hazard, with 5 being the greatest contribution to risk reduction and 1 being the least contribution to risk reduction.

We encourage you to consider regularly occurring problems for each hazard listed below and suggest mitigation actions for these problems. You may also list regularly occurring problems within your community without suggesting a mitigation action.

Every jurisdiction (County, City, and Village) must have one mitigation action for each hazard. The following pages include four new FEMA-required actions for you to score. If an action is applicable, please score the action. If it is not applicable to your jurisdiction (i.e. your jurisdiction doesn't have any dams) please skip (don't score) the action.

Following the required new actions, you will have the space to draft new mitigation actions that are applicable to your jurisdiction and score them. Please list the applicable hazard for each new drafted action. Any new actions must correspond with the county's hazard priorities as follows: Hazardous Materials, Utility Failure, Severe Winter Weather, Tornadoes, Flooding, Terrorism, Severe Summer Weather, Epidemic, Drought and Extreme Heat, Invasive Species, Earthquakes, Dam/Levee Failure, Wildfire, and Landslides/Land Subsidence.

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
Required: Work with all jurisdictions on filling in gaps and strengthening capabilities in enacting mitigation strategies.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
Required: Ensure all eligible jurisdictions are participating in the NFIP.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
Required: Ensure all high-hazard potential dams have updated Emergency Action Plans (EAPs) in place.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
Required: Obtain or create inundation maps for all dams.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
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		Immediate Need	1	2	3	4	5
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		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
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Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
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		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
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		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
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		Immediate Need	1	2	3	4	5
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MITIGATION ACTION SCORING MATRIX

Step One:

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If you have any additional comments for a mitigation action, please leave them below each action.

Name:	Title:

Jefferson Township

Mitigation Action (Strategy)	Risk	Status	Ranking					
Identify/resolve potential landslide locations	Landslides and Land Subsidence	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Anchor mobile homes and propane tanks	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Construct Safe Rooms - Community	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

Name:	Title:

Jefferson Township

Mitigation Action (Strategy)	Risk	Status	Ranking					
Establish community shelters	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Increase rural broadband coverage	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Mitigate structures in flood-prone areas	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

Name:	Title:

Jefferson Township

Mitigation Action (Strategy)	Risk	Status	Ranking					
Remove debris in streams	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

MITIGATION ACTION SCORING MATRIX

Instructions

To complete this matrix, please write in each mitigation action applicable to your jurisdiction. Please score it from 1-5 for each category described below. For each category, a rating of 1 is the lowest score, a rating of 3 is neutral/unsure, and a rating of 5 is the highest score.

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Following the required new actions, you will have the space to draft new mitigation actions that are applicable to your jurisdiction and score them. Please list the applicable hazard for each new drafted action. Any new actions must correspond with the county's hazard priorities as follows: Hazardous Materials, Utility Failure, Severe Winter Weather, Tornadoes, Flooding, Terrorism, Severe Summer Weather, Epidemic, Drought and Extreme Heat, Invasive Species, Earthquakes, Dam/Levee Failure, Wildfire, and Landslides/Land Subsidence.

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
Required: Work with all jurisdictions on filling in gaps and strengthening capabilities in enacting mitigation strategies.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
Required: Ensure all eligible jurisdictions are participating in the NFIP.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
Required: Ensure all high-hazard potential dams have updated Emergency Action Plans (EAPs) in place.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
Required: Obtain or create inundation maps for all dams.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
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		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

MITIGATION ACTION SCORING MATRIX

Step One:

In the following tables, enter your name and position and select one of the following status options for each mitigation action in your jurisdiction:

- **Completed** (Use this if the action was completed)
- **Deleted** (Use this if you would like to remove the action from your new plan)
- **Ongoing** (Use this if you would like the action to carry through to your next plan)

Step two:

By marking the actions as Ongoing the action will be added to the new plan. In order to rank them effectively we ask that you score each of the following:

1. **Cost Effective** – Rank 1 – 5 – the cost effectiveness of each proposed mitigation action, with 5 being the most cost effective and 1 being the least cost effective.
2. **Technically Feasible** – Rank 1 – 5 – the feasibility of each proposed mitigation action, with 5 being the most feasible and 1 being the least feasible.
3. **Environmentally Sound** – Rank 1 – 5 – the proposed mitigation action in terms of how environmentally sound it seems, with 5 being the most sound and 1 being the least sound.
4. **Immediate Need** – Rank 1 – 5 – whether each proposed mitigation action is needed immediately, with 5 being the most immediate need and 1 being not an immediate need.
5. **Risk Reduction** – Rank 1 – 5 – the proposed mitigation action on the extent to which it will reduce the total risk of the associated hazard, with 5 being the greatest contribution to risk reduction and 1 being the least contribution to risk reduction.

If you have any additional comments for a mitigation action, please leave them below each action.

Name:	Title:

Madison Township

Mitigation Action (Strategy)	Risk	Status	Ranking					
Identify/resolve potential landslide locations	Landslides and Land Subsidence	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Anchor mobile homes and propane tanks	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Construct Safe Rooms - Community	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

Name:	Title:

Madison Township

Mitigation Action (Strategy)	Risk	Status	Ranking					
Establish community shelters	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Increase rural broadband coverage	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Mitigate structures in flood-prone areas	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

Name:	Title:

Madison Township

Mitigation Action (Strategy)	Risk	Status	Ranking					
Remove debris in streams	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

MITIGATION ACTION SCORING MATRIX

Instructions

To complete this matrix, please write in each mitigation action applicable to your jurisdiction. Please score it from 1-5 for each category described below. For each category, a rating of 1 is the lowest score, a rating of 3 is neutral/unsure, and a rating of 5 is the highest score.

1. **Cost Effective – Rank 1 – 5** – the cost effectiveness of each proposed mitigation action, with 5 being the most cost effective and 1 being the least cost effective.
2. **Technically Feasible – Rank 1 – 5** – the feasibility of each proposed mitigation action, with 5 being the most feasible and 1 being the least feasible.
3. **Environmentally Sound – Rank 1 – 5** – the proposed mitigation action in terms of how environmentally sound it seems, with 5 being the most sound and 1 being the least sound.
4. **Immediate Need – Rank 1 – 5** – whether each proposed mitigation action is needed immediately, with 5 being the most immediate need and 1 being not an immediate need.
5. **Risk Reduction – Rank 1 – 5** – the proposed mitigation action on the extent to which it will reduce the total risk of the associated hazard, with 5 being the greatest contribution to risk reduction and 1 being the least contribution to risk reduction.

We encourage you to consider regularly occurring problems for each hazard listed below and suggest mitigation actions for these problems. You may also list regularly occurring problems within your community without suggesting a mitigation action.

Every jurisdiction (County, City, and Village) must have one mitigation action for each hazard. The following pages include four new FEMA-required actions for you to score. If an action is applicable, please score the action. If it is not applicable to your jurisdiction (i.e. your jurisdiction doesn't have any dams) please skip (don't score) the action.

Following the required new actions, you will have the space to draft new mitigation actions that are applicable to your jurisdiction and score them. Please list the applicable hazard for each new drafted action. Any new actions must correspond with the county's hazard priorities as follows: Hazardous Materials, Utility Failure, Severe Winter Weather, Tornadoes, Flooding, Terrorism, Severe Summer Weather, Epidemic, Drought and Extreme Heat, Invasive Species, Earthquakes, Dam/Levee Failure, Wildfire, and Landslides/Land Subsidence.

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
Required: Work with all jurisdictions on filling in gaps and strengthening capabilities in enacting mitigation strategies.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
Required: Ensure all eligible jurisdictions are participating in the NFIP.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
Required: Ensure all high-hazard potential dams have updated Emergency Action Plans (EAPs) in place.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
Required: Obtain or create inundation maps for all dams.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

MITIGATION ACTION SCORING MATRIX

Step One:

In the following tables, enter your name and position and select one of the following status options for each mitigation action in your jurisdiction:

- **Completed** (Use this if the action was completed)
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Step two:

By marking the actions as Ongoing the action will be added to the new plan. In order to rank them effectively we ask that you score each of the following:

1. **Cost Effective** – Rank 1 – 5 – the cost effectiveness of each proposed mitigation action, with 5 being the most cost effective and 1 being the least cost effective.
2. **Technically Feasible** – Rank 1 – 5 – the feasibility of each proposed mitigation action, with 5 being the most feasible and 1 being the least feasible.
3. **Environmentally Sound** – Rank 1 – 5 – the proposed mitigation action in terms of how environmentally sound it seems, with 5 being the most sound and 1 being the least sound.
4. **Immediate Need** – Rank 1 – 5 – whether each proposed mitigation action is needed immediately, with 5 being the most immediate need and 1 being not an immediate need.
5. **Risk Reduction** – Rank 1 – 5 – the proposed mitigation action on the extent to which it will reduce the total risk of the associated hazard, with 5 being the greatest contribution to risk reduction and 1 being the least contribution to risk reduction.

If you have any additional comments for a mitigation action, please leave them below each action.

Name:	Title:

Morgan Township

Mitigation Action (Strategy)	Risk	Status	Ranking					
Identify/resolve potential landslide locations	Landslides and Land Subsidence	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Anchor mobile homes and propane tanks	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Construct Safe Rooms - Community	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

Name:	Title:

Morgan Township

Mitigation Action (Strategy)	Risk	Status	Ranking					
Establish community shelters	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Increase rural broadband coverage	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Mitigate structures in flood-prone areas	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

Name:	Title:

Morgan Township

Mitigation Action (Strategy)	Risk	Status	Ranking					
Remove debris in streams	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

MITIGATION ACTION SCORING MATRIX

Instructions

To complete this matrix, please write in each mitigation action applicable to your jurisdiction. Please score it from 1-5 for each category described below. For each category, a rating of 1 is the lowest score, a rating of 3 is neutral/unsure, and a rating of 5 is the highest score.

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Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
Required: Work with all jurisdictions on filling in gaps and strengthening capabilities in enacting mitigation strategies.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
Required: Ensure all eligible jurisdictions are participating in the NFIP.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
Required: Ensure all high-hazard potential dams have updated Emergency Action Plans (EAPs) in place.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
Required: Obtain or create inundation maps for all dams.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
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		Technically Feasible	1	2	3	4	5
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		Technically Feasible	1	2	3	4	5
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		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
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		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
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		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
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		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

MITIGATION ACTION SCORING MATRIX

Step One:

In the following tables, enter your name and position and select one of the following status options for each mitigation action in your jurisdiction:

- **Completed** (Use this if the action was completed)
- **Deleted** (Use this if you would like to remove the action from your new plan)
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By marking the actions as Ongoing the action will be added to the new plan. In order to rank them effectively we ask that you score each of the following:

1. **Cost Effective** – Rank 1 – 5 – the cost effectiveness of each proposed mitigation action, with 5 being the most cost effective and 1 being the least cost effective.
2. **Technically Feasible** – Rank 1 – 5 – the feasibility of each proposed mitigation action, with 5 being the most feasible and 1 being the least feasible.
3. **Environmentally Sound** – Rank 1 – 5 – the proposed mitigation action in terms of how environmentally sound it seems, with 5 being the most sound and 1 being the least sound.
4. **Immediate Need** – Rank 1 – 5 – whether each proposed mitigation action is needed immediately, with 5 being the most immediate need and 1 being not an immediate need.
5. **Risk Reduction** – Rank 1 – 5 – the proposed mitigation action on the extent to which it will reduce the total risk of the associated hazard, with 5 being the greatest contribution to risk reduction and 1 being the least contribution to risk reduction.

If you have any additional comments for a mitigation action, please leave them below each action.

Name:	Title:

Nile Township

Mitigation Action (Strategy)	Risk	Status	Ranking					
Reduce erosion of streams	Flooding	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Identify/resolve potential landslide locations	Landslides and Land Subsidence	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Anchor mobile homes and propane tanks	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

Name:	Title:

Nile Township

Mitigation Action (Strategy)	Risk	Status	Ranking					
Construct Safe Rooms - Community	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Establish community shelters	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Increase rural broadband coverage	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

Name:	Title:

Nile Township

Mitigation Action (Strategy)	Risk	Status	Ranking					
Mitigate structures in flood-prone areas	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Remove debris in streams	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

MITIGATION ACTION SCORING MATRIX

Instructions

To complete this matrix, please write in each mitigation action applicable to your jurisdiction. Please score it from 1-5 for each category described below. For each category, a rating of 1 is the lowest score, a rating of 3 is neutral/unsure, and a rating of 5 is the highest score.

1. **Cost Effective – Rank 1 – 5** – the cost effectiveness of each proposed mitigation action, with 5 being the most cost effective and 1 being the least cost effective.
2. **Technically Feasible – Rank 1 – 5** – the feasibility of each proposed mitigation action, with 5 being the most feasible and 1 being the least feasible.
3. **Environmentally Sound – Rank 1 – 5** – the proposed mitigation action in terms of how environmentally sound it seems, with 5 being the most sound and 1 being the least sound.
4. **Immediate Need – Rank 1 – 5** – whether each proposed mitigation action is needed immediately, with 5 being the most immediate need and 1 being not an immediate need.
5. **Risk Reduction – Rank 1 – 5** – the proposed mitigation action on the extent to which it will reduce the total risk of the associated hazard, with 5 being the greatest contribution to risk reduction and 1 being the least contribution to risk reduction.

We encourage you to consider regularly occurring problems for each hazard listed below and suggest mitigation actions for these problems. You may also list regularly occurring problems within your community without suggesting a mitigation action.

Every jurisdiction (County, City, and Village) must have one mitigation action for each hazard. The following pages include four new FEMA-required actions for you to score. If an action is applicable, please score the action. If it is not applicable to your jurisdiction (i.e. your jurisdiction doesn't have any dams) please skip (don't score) the action.

Following the required new actions, you will have the space to draft new mitigation actions that are applicable to your jurisdiction and score them. Please list the applicable hazard for each new drafted action. Any new actions must correspond with the county's hazard priorities as follows: Hazardous Materials, Utility Failure, Severe Winter Weather, Tornadoes, Flooding, Terrorism, Severe Summer Weather, Epidemic, Drought and Extreme Heat, Invasive Species, Earthquakes, Dam/Levee Failure, Wildfire, and Landslides/Land Subsidence.

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
Required: Work with all jurisdictions on filling in gaps and strengthening capabilities in enacting mitigation strategies.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
Required: Ensure all eligible jurisdictions are participating in the NFIP.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
Required: Ensure all high-hazard potential dams have updated Emergency Action Plans (EAPs) in place.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
Required: Obtain or create inundation maps for all dams.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

MITIGATION ACTION SCORING MATRIX

Step One:

In the following tables, enter your name and position and select one of the following status options for each mitigation action in your jurisdiction:

- **Completed** (Use this if the action was completed)
- **Deleted** (Use this if you would like to remove the action from your new plan)
- **Ongoing** (Use this if you would like the action to carry through to your next plan)

Step two:

By marking the actions as Ongoing the action will be added to the new plan. In order to rank them effectively we ask that you score each of the following:

1. **Cost Effective** – Rank 1 – 5 – the cost effectiveness of each proposed mitigation action, with 5 being the most cost effective and 1 being the least cost effective.
2. **Technically Feasible** – Rank 1 – 5 – the feasibility of each proposed mitigation action, with 5 being the most feasible and 1 being the least feasible.
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5. **Risk Reduction** – Rank 1 – 5 – the proposed mitigation action on the extent to which it will reduce the total risk of the associated hazard, with 5 being the greatest contribution to risk reduction and 1 being the least contribution to risk reduction.

If you have any additional comments for a mitigation action, please leave them below each action.

Name:	Title:

Porter Township

Mitigation Action (Strategy)	Risk	Status	Ranking					
Identify/resolve potential landslide locations	Landslides and Land Subsidence	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Anchor mobile homes and propane tanks	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Construct Safe Rooms - Community	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

Name:	Title:

Porter Township

Mitigation Action (Strategy)	Risk	Status	Ranking					
Establish community shelters	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Increase rural broadband coverage	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Mitigate structures in flood-prone areas	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

Name:	Title:

Porter Township

Mitigation Action (Strategy)	Risk	Status	Ranking					
Remove debris in streams	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Upgrade undersized/establish storm water drainage systems	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

MITIGATION ACTION SCORING MATRIX

Instructions

To complete this matrix, please write in each mitigation action applicable to your jurisdiction. Please score it from 1-5 for each category described below. For each category, a rating of 1 is the lowest score, a rating of 3 is neutral/unsure, and a rating of 5 is the highest score.

1. **Cost Effective – Rank 1 – 5** – the cost effectiveness of each proposed mitigation action, with 5 being the most cost effective and 1 being the least cost effective.
2. **Technically Feasible – Rank 1 – 5** – the feasibility of each proposed mitigation action, with 5 being the most feasible and 1 being the least feasible.
3. **Environmentally Sound – Rank 1 – 5** – the proposed mitigation action in terms of how environmentally sound it seems, with 5 being the most sound and 1 being the least sound.
4. **Immediate Need – Rank 1 – 5** – whether each proposed mitigation action is needed immediately, with 5 being the most immediate need and 1 being not an immediate need.
5. **Risk Reduction – Rank 1 – 5** – the proposed mitigation action on the extent to which it will reduce the total risk of the associated hazard, with 5 being the greatest contribution to risk reduction and 1 being the least contribution to risk reduction.

We encourage you to consider regularly occurring problems for each hazard listed below and suggest mitigation actions for these problems. You may also list regularly occurring problems within your community without suggesting a mitigation action.

Every jurisdiction (County, City, and Village) must have one mitigation action for each hazard. The following pages include four new FEMA-required actions for you to score. If an action is applicable, please score the action. If it is not applicable to your jurisdiction (i.e. your jurisdiction doesn't have any dams) please skip (don't score) the action.

Following the required new actions, you will have the space to draft new mitigation actions that are applicable to your jurisdiction and score them. Please list the applicable hazard for each new drafted action. Any new actions must correspond with the county's hazard priorities as follows: Hazardous Materials, Utility Failure, Severe Winter Weather, Tornadoes, Flooding, Terrorism, Severe Summer Weather, Epidemic, Drought and Extreme Heat, Invasive Species, Earthquakes, Dam/Levee Failure, Wildfire, and Landslides/Land Subsidence.

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
Required: Work with all jurisdictions on filling in gaps and strengthening capabilities in enacting mitigation strategies.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
Required: Ensure all eligible jurisdictions are participating in the NFIP.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
Required: Ensure all high-hazard potential dams have updated Emergency Action Plans (EAPs) in place.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
Required: Obtain or create inundation maps for all dams.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

MITIGATION ACTION SCORING MATRIX

Step One:

In the following tables, enter your name and position and select one of the following status options for each mitigation action in your jurisdiction:

- **Completed** (Use this if the action was completed)
- **Deleted** (Use this if you would like to remove the action from your new plan)
- **Ongoing** (Use this if you would like the action to carry through to your next plan)

Step two:

By marking the actions as Ongoing the action will be added to the new plan. In order to rank them effectively we ask that you score each of the following:

1. **Cost Effective** – Rank 1 – 5 – the cost effectiveness of each proposed mitigation action, with 5 being the most cost effective and 1 being the least cost effective.
2. **Technically Feasible** – Rank 1 – 5 – the feasibility of each proposed mitigation action, with 5 being the most feasible and 1 being the least feasible.
3. **Environmentally Sound** – Rank 1 – 5 – the proposed mitigation action in terms of how environmentally sound it seems, with 5 being the most sound and 1 being the least sound.
4. **Immediate Need** – Rank 1 – 5 – whether each proposed mitigation action is needed immediately, with 5 being the most immediate need and 1 being not an immediate need.
5. **Risk Reduction** – Rank 1 – 5 – the proposed mitigation action on the extent to which it will reduce the total risk of the associated hazard, with 5 being the greatest contribution to risk reduction and 1 being the least contribution to risk reduction.

If you have any additional comments for a mitigation action, please leave them below each action.

Name:	Title:

Rarden Township

Mitigation Action (Strategy)	Risk	Status	Ranking					
Identify/resolve potential landslide locations	Landslides and Land Subsidence	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Anchor mobile homes and propane tanks	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Construct Safe Rooms - Community	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

Name:	Title:

Rarden Township

Mitigation Action (Strategy)	Risk	Status	Ranking					
Establish community shelters	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Increase rural broadband coverage	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Mitigate structures in flood-prone areas	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

Name:	Title:

Rarden Township

Mitigation Action (Strategy)	Risk	Status	Ranking					
Remove debris in streams	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

MITIGATION ACTION SCORING MATRIX

Instructions

To complete this matrix, please write in each mitigation action applicable to your jurisdiction. Please score it from 1-5 for each category described below. For each category, a rating of 1 is the lowest score, a rating of 3 is neutral/unsure, and a rating of 5 is the highest score.

1. **Cost Effective – Rank 1 – 5** – the cost effectiveness of each proposed mitigation action, with 5 being the most cost effective and 1 being the least cost effective.
2. **Technically Feasible – Rank 1 – 5** – the feasibility of each proposed mitigation action, with 5 being the most feasible and 1 being the least feasible.
3. **Environmentally Sound – Rank 1 – 5** – the proposed mitigation action in terms of how environmentally sound it seems, with 5 being the most sound and 1 being the least sound.
4. **Immediate Need – Rank 1 – 5** – whether each proposed mitigation action is needed immediately, with 5 being the most immediate need and 1 being not an immediate need.
5. **Risk Reduction – Rank 1 – 5** – the proposed mitigation action on the extent to which it will reduce the total risk of the associated hazard, with 5 being the greatest contribution to risk reduction and 1 being the least contribution to risk reduction.

We encourage you to consider regularly occurring problems for each hazard listed below and suggest mitigation actions for these problems. You may also list regularly occurring problems within your community without suggesting a mitigation action.

Every jurisdiction (County, City, and Village) must have one mitigation action for each hazard. The following pages include four new FEMA-required actions for you to score. If an action is applicable, please score the action. If it is not applicable to your jurisdiction (i.e. your jurisdiction doesn't have any dams) please skip (don't score) the action.

Following the required new actions, you will have the space to draft new mitigation actions that are applicable to your jurisdiction and score them. Please list the applicable hazard for each new drafted action. Any new actions must correspond with the county's hazard priorities as follows: Hazardous Materials, Utility Failure, Severe Winter Weather, Tornadoes, Flooding, Terrorism, Severe Summer Weather, Epidemic, Drought and Extreme Heat, Invasive Species, Earthquakes, Dam/Levee Failure, Wildfire, and Landslides/Land Subsidence.

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
Required: Work with all jurisdictions on filling in gaps and strengthening capabilities in enacting mitigation strategies.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
Required: Ensure all eligible jurisdictions are participating in the NFIP.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
Required: Ensure all high-hazard potential dams have updated Emergency Action Plans (EAPs) in place.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
Required: Obtain or create inundation maps for all dams.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

MITIGATION ACTION SCORING MATRIX

Step One:

In the following tables, enter your name and position and select one of the following status options for each mitigation action in your jurisdiction:

- **Completed** (Use this if the action was completed)
- **Deleted** (Use this if you would like to remove the action from your new plan)
- **Ongoing** (Use this if you would like the action to carry through to your next plan)

Step two:

By marking the actions as Ongoing the action will be added to the new plan. In order to rank them effectively we ask that you score each of the following:

1. **Cost Effective** – Rank 1 – 5 – the cost effectiveness of each proposed mitigation action, with 5 being the most cost effective and 1 being the least cost effective.
2. **Technically Feasible** – Rank 1 – 5 – the feasibility of each proposed mitigation action, with 5 being the most feasible and 1 being the least feasible.
3. **Environmentally Sound** – Rank 1 – 5 – the proposed mitigation action in terms of how environmentally sound it seems, with 5 being the most sound and 1 being the least sound.
4. **Immediate Need** – Rank 1 – 5 – whether each proposed mitigation action is needed immediately, with 5 being the most immediate need and 1 being not an immediate need.
5. **Risk Reduction** – Rank 1 – 5 – the proposed mitigation action on the extent to which it will reduce the total risk of the associated hazard, with 5 being the greatest contribution to risk reduction and 1 being the least contribution to risk reduction.

If you have any additional comments for a mitigation action, please leave them below each action.

Name:	Title:

Rush Township

Mitigation Action (Strategy)	Risk	Status	Ranking					
Identify/resolve potential landslide locations	Landslides and Land Subsidence	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Anchor mobile homes and propane tanks	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Construct Safe Rooms - Community	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

Name:	Title:

Rush Township

Mitigation Action (Strategy)	Risk	Status	Ranking					
Establish community shelters	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Increase rural broadband coverage	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Mitigate structures in flood-prone areas	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

Name:	Title:

Rush Township

Mitigation Action (Strategy)	Risk	Status	Ranking					
Remove debris in streams	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

MITIGATION ACTION SCORING MATRIX

Instructions

To complete this matrix, please write in each mitigation action applicable to your jurisdiction. Please score it from 1-5 for each category described below. For each category, a rating of 1 is the lowest score, a rating of 3 is neutral/unsure, and a rating of 5 is the highest score.

1. **Cost Effective – Rank 1 – 5** – the cost effectiveness of each proposed mitigation action, with 5 being the most cost effective and 1 being the least cost effective.
2. **Technically Feasible – Rank 1 – 5** – the feasibility of each proposed mitigation action, with 5 being the most feasible and 1 being the least feasible.
3. **Environmentally Sound – Rank 1 – 5** – the proposed mitigation action in terms of how environmentally sound it seems, with 5 being the most sound and 1 being the least sound.
4. **Immediate Need – Rank 1 – 5** – whether each proposed mitigation action is needed immediately, with 5 being the most immediate need and 1 being not an immediate need.
5. **Risk Reduction – Rank 1 – 5** – the proposed mitigation action on the extent to which it will reduce the total risk of the associated hazard, with 5 being the greatest contribution to risk reduction and 1 being the least contribution to risk reduction.

We encourage you to consider regularly occurring problems for each hazard listed below and suggest mitigation actions for these problems. You may also list regularly occurring problems within your community without suggesting a mitigation action.

Every jurisdiction (County, City, and Village) must have one mitigation action for each hazard. The following pages include four new FEMA-required actions for you to score. If an action is applicable, please score the action. If it is not applicable to your jurisdiction (i.e. your jurisdiction doesn't have any dams) please skip (don't score) the action.

Following the required new actions, you will have the space to draft new mitigation actions that are applicable to your jurisdiction and score them. Please list the applicable hazard for each new drafted action. Any new actions must correspond with the county's hazard priorities as follows: Hazardous Materials, Utility Failure, Severe Winter Weather, Tornadoes, Flooding, Terrorism, Severe Summer Weather, Epidemic, Drought and Extreme Heat, Invasive Species, Earthquakes, Dam/Levee Failure, Wildfire, and Landslides/Land Subsidence.

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
Required: Work with all jurisdictions on filling in gaps and strengthening capabilities in enacting mitigation strategies.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
Required: Ensure all eligible jurisdictions are participating in the NFIP.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
Required: Ensure all high-hazard potential dams have updated Emergency Action Plans (EAPs) in place.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
Required: Obtain or create inundation maps for all dams.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

MITIGATION ACTION SCORING MATRIX

Step One:

In the following tables, enter your name and position and select one of the following status options for each mitigation action in your jurisdiction:

- **Completed** (Use this if the action was completed)
- **Deleted** (Use this if you would like to remove the action from your new plan)
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Step two:

By marking the actions as Ongoing the action will be added to the new plan. In order to rank them effectively we ask that you score each of the following:

1. **Cost Effective** – Rank 1 – 5 – the cost effectiveness of each proposed mitigation action, with 5 being the most cost effective and 1 being the least cost effective.
2. **Technically Feasible** – Rank 1 – 5 – the feasibility of each proposed mitigation action, with 5 being the most feasible and 1 being the least feasible.
3. **Environmentally Sound** – Rank 1 – 5 – the proposed mitigation action in terms of how environmentally sound it seems, with 5 being the most sound and 1 being the least sound.
4. **Immediate Need** – Rank 1 – 5 – whether each proposed mitigation action is needed immediately, with 5 being the most immediate need and 1 being not an immediate need.
5. **Risk Reduction** – Rank 1 – 5 – the proposed mitigation action on the extent to which it will reduce the total risk of the associated hazard, with 5 being the greatest contribution to risk reduction and 1 being the least contribution to risk reduction.

If you have any additional comments for a mitigation action, please leave them below each action.

Name:	Title and Organization:

Scioto County

Mitigation Action (Strategy)	Risk	Status	Ranking					
Adopt higher flood standards than NFIP minimums due to historical flood events and to reduce future damages	Flooding	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Conduct a hydrologic and hydraulic (H&H) study of Scioto County	Flooding	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Identify/resolve potential landslide locations	Landslides and Land Subsidence	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

Name:	Title and Organization:

Scioto County

Mitigation Action (Strategy)	Risk	Status	Ranking					
Anchor mobile homes and propane tanks	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Construct Safe Rooms - Community	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Construct Safe Rooms - Residential	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

Name:	Title and Organization:

Scioto County

Mitigation Action (Strategy)	Risk	Status	Ranking					
Create rental housing inspection and permit program	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Develop and implement an all-hazards public education program	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Encourage jurisdictions to establish zones/building codes to control land use in at-risk areas	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

Name:	Title and Organization:

Scioto County

Mitigation Action (Strategy)	Risk	Status	Ranking					
Enhance public warning systems.	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Establish community shelters	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Increase rural broadband coverage	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

Name:	Title and Organization:

Scioto County

Mitigation Action (Strategy)	Risk	Status	Ranking					
Install generators at critical facilities	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Mitigate structures in flood-prone areas	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Purchase stock of PPE for first responders	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

Name:	Title and Organization:

Scioto County

Mitigation Action (Strategy)	Risk	Status	Ranking					
Rehabilitate dams known to be of high hazard	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Remove debris in streams	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Update dam Emergency Action Plans; update inundation data for dams without EAPs or no current inundation data	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

Name:	Title and Organization:

Scioto County

Mitigation Action (Strategy)	Risk	Status	Ranking					
Upgrade undersized/establish storm water drainage systems	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

MITIGATION ACTION SCORING MATRIX

Instructions

To complete this matrix, please write in each mitigation action applicable to your jurisdiction. Please score it from 1-5 for each category described below. For each category, a rating of 1 is the lowest score, a rating of 3 is neutral/unsure, and a rating of 5 is the highest score.

1. **Cost Effective – Rank 1 – 5** – the cost effectiveness of each proposed mitigation action, with 5 being the most cost effective and 1 being the least cost effective.
2. **Technically Feasible – Rank 1 – 5** – the feasibility of each proposed mitigation action, with 5 being the most feasible and 1 being the least feasible.
3. **Environmentally Sound – Rank 1 – 5** – the proposed mitigation action in terms of how environmentally sound it seems, with 5 being the most sound and 1 being the least sound.
4. **Immediate Need – Rank 1 – 5** – whether each proposed mitigation action is needed immediately, with 5 being the most immediate need and 1 being not an immediate need.
5. **Risk Reduction – Rank 1 – 5** – the proposed mitigation action on the extent to which it will reduce the total risk of the associated hazard, with 5 being the greatest contribution to risk reduction and 1 being the least contribution to risk reduction.

We encourage you to consider regularly occurring problems for each hazard listed below and suggest mitigation actions for these problems. You may also list regularly occurring problems within your community without suggesting a mitigation action.

Every jurisdiction (County, City, and Village) must have one mitigation action for each hazard. The following pages include four new FEMA-required actions for you to score. If an action is applicable, please score the action. If it is not applicable to your jurisdiction (i.e. your jurisdiction doesn't have any dams) please skip (don't score) the action.

Following the required new actions, you will have the space to draft new mitigation actions that are applicable to your jurisdiction and score them. Please list the applicable hazard for each new drafted action. Any new actions must correspond with the county's hazard priorities as follows: Hazardous Materials, Utility Failure, Severe Winter Weather, Tornadoes, Flooding, Terrorism, Severe Summer Weather, Epidemic, Drought and Extreme Heat, Invasive Species, Earthquakes, Dam/Levee Failure, Wildfire, and Landslides/Land Subsidence.

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
Required: Work with all jurisdictions on filling in gaps and strengthening capabilities in enacting mitigation strategies.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
Required: Ensure all eligible jurisdictions are participating in the NFIP.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
Required: Ensure all high-hazard potential dams have updated Emergency Action Plans (EAPs) in place.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
Required: Obtain or create inundation maps for all dams.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

MITIGATION ACTION SCORING MATRIX

Step One:

In the following tables, enter your name and position and select one of the following status options for each mitigation action in your jurisdiction:

- **Completed** (Use this if the action was completed)
- **Deleted** (Use this if you would like to remove the action from your new plan)
- **Ongoing** (Use this if you would like the action to carry through to your next plan)

Step two:

By marking the actions as Ongoing the action will be added to the new plan. In order to rank them effectively we ask that you score each of the following:

1. **Cost Effective** – Rank 1 – 5 – the cost effectiveness of each proposed mitigation action, with 5 being the most cost effective and 1 being the least cost effective.
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5. **Risk Reduction** – Rank 1 – 5 – the proposed mitigation action on the extent to which it will reduce the total risk of the associated hazard, with 5 being the greatest contribution to risk reduction and 1 being the least contribution to risk reduction.

If you have any additional comments for a mitigation action, please leave them below each action.

Name:	Title:

Union Township

Mitigation Action (Strategy)	Risk	Status	Ranking					
Identify/resolve potential landslide locations	Landslides and Land Subsidence	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Anchor mobile homes and propane tanks	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Construct Safe Rooms - Community	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

Name:	Title:

Union Township

Mitigation Action (Strategy)	Risk	Status	Ranking					
Establish community shelters	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Increase rural broadband coverage	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Mitigate structures in flood-prone areas	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

Name:	Title:

Union Township

Mitigation Action (Strategy)	Risk	Status	Ranking					
Remove debris in streams	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

MITIGATION ACTION SCORING MATRIX

Instructions

To complete this matrix, please write in each mitigation action applicable to your jurisdiction. Please score it from 1-5 for each category described below. For each category, a rating of 1 is the lowest score, a rating of 3 is neutral/unsure, and a rating of 5 is the highest score.

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4. **Immediate Need – Rank 1 – 5** – whether each proposed mitigation action is needed immediately, with 5 being the most immediate need and 1 being not an immediate need.
5. **Risk Reduction – Rank 1 – 5** – the proposed mitigation action on the extent to which it will reduce the total risk of the associated hazard, with 5 being the greatest contribution to risk reduction and 1 being the least contribution to risk reduction.

We encourage you to consider regularly occurring problems for each hazard listed below and suggest mitigation actions for these problems. You may also list regularly occurring problems within your community without suggesting a mitigation action.

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Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
Required: Work with all jurisdictions on filling in gaps and strengthening capabilities in enacting mitigation strategies.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
Required: Ensure all eligible jurisdictions are participating in the NFIP.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
Required: Ensure all high-hazard potential dams have updated Emergency Action Plans (EAPs) in place.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
Required: Obtain or create inundation maps for all dams.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
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		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
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		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
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		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
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		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

MITIGATION ACTION SCORING MATRIX

Step One:

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If you have any additional comments for a mitigation action, please leave them below each action.

Name:	Title:

Valley Township

Mitigation Action (Strategy)	Risk	Status	Ranking					
Identify/resolve potential landslide locations	Landslides and Land Subsidence	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Anchor mobile homes and propane tanks	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Construct Safe Rooms - Community	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

Name:	Title:

Valley Township

Mitigation Action (Strategy)	Risk	Status	Ranking					
Establish community shelters	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Increase rural broadband coverage	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Mitigate structures in flood-prone areas	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

Name:	Title:

Valley Township

Mitigation Action (Strategy)	Risk	Status	Ranking					
Remove debris in streams	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

MITIGATION ACTION SCORING MATRIX

Instructions

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5. **Risk Reduction – Rank 1 – 5** – the proposed mitigation action on the extent to which it will reduce the total risk of the associated hazard, with 5 being the greatest contribution to risk reduction and 1 being the least contribution to risk reduction.

We encourage you to consider regularly occurring problems for each hazard listed below and suggest mitigation actions for these problems. You may also list regularly occurring problems within your community without suggesting a mitigation action.

Every jurisdiction (County, City, and Village) must have one mitigation action for each hazard. The following pages include four new FEMA-required actions for you to score. If an action is applicable, please score the action. If it is not applicable to your jurisdiction (i.e. your jurisdiction doesn't have any dams) please skip (don't score) the action.

Following the required new actions, you will have the space to draft new mitigation actions that are applicable to your jurisdiction and score them. Please list the applicable hazard for each new drafted action. Any new actions must correspond with the county's hazard priorities as follows: Hazardous Materials, Utility Failure, Severe Winter Weather, Tornadoes, Flooding, Terrorism, Severe Summer Weather, Epidemic, Drought and Extreme Heat, Invasive Species, Earthquakes, Dam/Levee Failure, Wildfire, and Landslides/Land Subsidence.

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
Required: Work with all jurisdictions on filling in gaps and strengthening capabilities in enacting mitigation strategies.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
Required: Ensure all eligible jurisdictions are participating in the NFIP.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
Required: Ensure all high-hazard potential dams have updated Emergency Action Plans (EAPs) in place.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
Required: Obtain or create inundation maps for all dams.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

MITIGATION ACTION SCORING MATRIX

Step One:

In the following tables, enter your name and position and select one of the following status options for each mitigation action in your jurisdiction:

- **Completed** (Use this if the action was completed)
- **Deleted** (Use this if you would like to remove the action from your new plan)
- **Ongoing** (Use this if you would like the action to carry through to your next plan)

Step two:

By marking the actions as Ongoing the action will be added to the new plan. In order to rank them effectively we ask that you score each of the following:

1. **Cost Effective** – Rank 1 – 5 – the cost effectiveness of each proposed mitigation action, with 5 being the most cost effective and 1 being the least cost effective.
2. **Technically Feasible** – Rank 1 – 5 – the feasibility of each proposed mitigation action, with 5 being the most feasible and 1 being the least feasible.
3. **Environmentally Sound** – Rank 1 – 5 – the proposed mitigation action in terms of how environmentally sound it seems, with 5 being the most sound and 1 being the least sound.
4. **Immediate Need** – Rank 1 – 5 – whether each proposed mitigation action is needed immediately, with 5 being the most immediate need and 1 being not an immediate need.
5. **Risk Reduction** – Rank 1 – 5 – the proposed mitigation action on the extent to which it will reduce the total risk of the associated hazard, with 5 being the greatest contribution to risk reduction and 1 being the least contribution to risk reduction.

If you have any additional comments for a mitigation action, please leave them below each action.

Name:	Title:

Vernon Township

Mitigation Action (Strategy)	Risk	Status	Ranking					
Identify/resolve potential landslide locations	Landslides and Land Subsidence	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Anchor mobile homes and propane tanks	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Construct Safe Rooms - Community	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

Name:	Title:

Vernon Township

Mitigation Action (Strategy)	Risk	Status	Ranking					
Establish community shelters	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Increase rural broadband coverage	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Mitigate structures in flood-prone areas	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

Name:	Title:

Vernon Township

Mitigation Action (Strategy)	Risk	Status	Ranking					
Remove debris in streams	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

MITIGATION ACTION SCORING MATRIX

Instructions

To complete this matrix, please write in each mitigation action applicable to your jurisdiction. Please score it from 1-5 for each category described below. For each category, a rating of 1 is the lowest score, a rating of 3 is neutral/unsure, and a rating of 5 is the highest score.

1. **Cost Effective – Rank 1 – 5** – the cost effectiveness of each proposed mitigation action, with 5 being the most cost effective and 1 being the least cost effective.
2. **Technically Feasible – Rank 1 – 5** – the feasibility of each proposed mitigation action, with 5 being the most feasible and 1 being the least feasible.
3. **Environmentally Sound – Rank 1 – 5** – the proposed mitigation action in terms of how environmentally sound it seems, with 5 being the most sound and 1 being the least sound.
4. **Immediate Need – Rank 1 – 5** – whether each proposed mitigation action is needed immediately, with 5 being the most immediate need and 1 being not an immediate need.
5. **Risk Reduction – Rank 1 – 5** – the proposed mitigation action on the extent to which it will reduce the total risk of the associated hazard, with 5 being the greatest contribution to risk reduction and 1 being the least contribution to risk reduction.

We encourage you to consider regularly occurring problems for each hazard listed below and suggest mitigation actions for these problems. You may also list regularly occurring problems within your community without suggesting a mitigation action.

Every jurisdiction (County, City, and Village) must have one mitigation action for each hazard. The following pages include four new FEMA-required actions for you to score. If an action is applicable, please score the action. If it is not applicable to your jurisdiction (i.e. your jurisdiction doesn't have any dams) please skip (don't score) the action.

Following the required new actions, you will have the space to draft new mitigation actions that are applicable to your jurisdiction and score them. Please list the applicable hazard for each new drafted action. Any new actions must correspond with the county's hazard priorities as follows: Hazardous Materials, Utility Failure, Severe Winter Weather, Tornadoes, Flooding, Terrorism, Severe Summer Weather, Epidemic, Drought and Extreme Heat, Invasive Species, Earthquakes, Dam/Levee Failure, Wildfire, and Landslides/Land Subsidence.

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
Required: Work with all jurisdictions on filling in gaps and strengthening capabilities in enacting mitigation strategies.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
Required: Ensure all eligible jurisdictions are participating in the NFIP.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
Required: Ensure all high-hazard potential dams have updated Emergency Action Plans (EAPs) in place.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
Required: Obtain or create inundation maps for all dams.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

MITIGATION ACTION SCORING MATRIX

Step One:

In the following tables, enter your name and position and select one of the following status options for each mitigation action in your jurisdiction:

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If you have any additional comments for a mitigation action, please leave them below each action.

Name:	Title and Organization:

Village of New Boston

Mitigation Action (Strategy)	Risk	Status	Ranking					
Adopt higher flood standards than NFIP minimums due to historical flood events and to reduce future damages	Flooding	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Anchor mobile homes and propane tanks	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Construct Safe Rooms - Community	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

Name:	Title and Organization:

Village of New Boston

Mitigation Action (Strategy)	Risk	Status	Ranking					
Create rental housing inspection and permit program	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Eliminate combined sewer system backflow	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Encourage jurisdictions to establish zones/building codes to control land use in at-risk areas	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

Name:	Title and Organization:

Village of New Boston

Mitigation Action (Strategy)	Risk	Status	Ranking					
Establish community shelters	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Mitigate structures in flood-prone areas	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Reduce systematic problems caused by utility line ruptures	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

Name:	Title and Organization:

Village of New Boston

Mitigation Action (Strategy)	Risk	Status	Ranking					
Remove debris in streams	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

MITIGATION ACTION SCORING MATRIX

Instructions

To complete this matrix, please write in each mitigation action applicable to your jurisdiction. Please score it from 1-5 for each category described below. For each category, a rating of 1 is the lowest score, a rating of 3 is neutral/unsure, and a rating of 5 is the highest score.

1. **Cost Effective – Rank 1 – 5** – the cost effectiveness of each proposed mitigation action, with 5 being the most cost effective and 1 being the least cost effective.
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We encourage you to consider regularly occurring problems for each hazard listed below and suggest mitigation actions for these problems. You may also list regularly occurring problems within your community without suggesting a mitigation action.

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Following the required new actions, you will have the space to draft new mitigation actions that are applicable to your jurisdiction and score them. Please list the applicable hazard for each new drafted action. Any new actions must correspond with the county's hazard priorities as follows: Hazardous Materials, Utility Failure, Severe Winter Weather, Tornadoes, Flooding, Terrorism, Severe Summer Weather, Epidemic, Drought and Extreme Heat, Invasive Species, Earthquakes, Dam/Levee Failure, Wildfire, and Landslides/Land Subsidence.

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
Required: Work with all jurisdictions on filling in gaps and strengthening capabilities in enacting mitigation strategies.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
Required: Ensure all eligible jurisdictions are participating in the NFIP.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
Required: Ensure all high-hazard potential dams have updated Emergency Action Plans (EAPs) in place.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
Required: Obtain or create inundation maps for all dams.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

MITIGATION ACTION SCORING MATRIX

Step One:

In the following tables, enter your name and position and select one of the following status options for each mitigation action in your jurisdiction:

- **Completed** (Use this if the action was completed)
- **Deleted** (Use this if you would like to remove the action from your new plan)
- **Ongoing** (Use this if you would like the action to carry through to your next plan)

Step two:

By marking the actions as Ongoing the action will be added to the new plan. In order to rank them effectively we ask that you score each of the following:

1. **Cost Effective** – Rank 1 – 5 – the cost effectiveness of each proposed mitigation action, with 5 being the most cost effective and 1 being the least cost effective.
2. **Technically Feasible** – Rank 1 – 5 – the feasibility of each proposed mitigation action, with 5 being the most feasible and 1 being the least feasible.
3. **Environmentally Sound** – Rank 1 – 5 – the proposed mitigation action in terms of how environmentally sound it seems, with 5 being the most sound and 1 being the least sound.
4. **Immediate Need** – Rank 1 – 5 – whether each proposed mitigation action is needed immediately, with 5 being the most immediate need and 1 being not an immediate need.
5. **Risk Reduction** – Rank 1 – 5 – the proposed mitigation action on the extent to which it will reduce the total risk of the associated hazard, with 5 being the greatest contribution to risk reduction and 1 being the least contribution to risk reduction.

If you have any additional comments for a mitigation action, please leave them below each action.

Name:	Title:

Village of Otway

Mitigation Action (Strategy)	Risk	Status	Ranking					
Adopt higher flood standards than NFIP minimums due to historical flood events and to reduce future damages	Flooding	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Anchor mobile homes and propane tanks	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Construct Safe Rooms - Community	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

Name:	Title:

Village of Otway

Mitigation Action (Strategy)	Risk	Status	Ranking					
Create rental housing inspection and permit program	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Encourage jurisdictions to establish zones/building codes to control land use in at-risk areas	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Establish community shelters	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

Name:	Title:

Village of Otway

Mitigation Action (Strategy)	Risk	Status	Ranking					
Mitigate structures in flood-prone areas	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Reduce systematic problems caused by utility line ruptures	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Remove debris in streams	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

MITIGATION ACTION SCORING MATRIX

Instructions

To complete this matrix, please write in each mitigation action applicable to your jurisdiction. Please score it from 1-5 for each category described below. For each category, a rating of 1 is the lowest score, a rating of 3 is neutral/unsure, and a rating of 5 is the highest score.

1. **Cost Effective – Rank 1 – 5** – the cost effectiveness of each proposed mitigation action, with 5 being the most cost effective and 1 being the least cost effective.
2. **Technically Feasible – Rank 1 – 5** – the feasibility of each proposed mitigation action, with 5 being the most feasible and 1 being the least feasible.
3. **Environmentally Sound – Rank 1 – 5** – the proposed mitigation action in terms of how environmentally sound it seems, with 5 being the most sound and 1 being the least sound.
4. **Immediate Need – Rank 1 – 5** – whether each proposed mitigation action is needed immediately, with 5 being the most immediate need and 1 being not an immediate need.
5. **Risk Reduction – Rank 1 – 5** – the proposed mitigation action on the extent to which it will reduce the total risk of the associated hazard, with 5 being the greatest contribution to risk reduction and 1 being the least contribution to risk reduction.

We encourage you to consider regularly occurring problems for each hazard listed below and suggest mitigation actions for these problems. You may also list regularly occurring problems within your community without suggesting a mitigation action.

Every jurisdiction (County, City, and Village) must have one mitigation action for each hazard. The following pages include four new FEMA-required actions for you to score. If an action is applicable, please score the action. If it is not applicable to your jurisdiction (i.e. your jurisdiction doesn't have any dams) please skip (don't score) the action.

Following the required new actions, you will have the space to draft new mitigation actions that are applicable to your jurisdiction and score them. Please list the applicable hazard for each new drafted action. Any new actions must correspond with the county's hazard priorities as follows: Hazardous Materials, Utility Failure, Severe Winter Weather, Tornadoes, Flooding, Terrorism, Severe Summer Weather, Epidemic, Drought and Extreme Heat, Invasive Species, Earthquakes, Dam/Levee Failure, Wildfire, and Landslides/Land Subsidence.

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
Required: Work with all jurisdictions on filling in gaps and strengthening capabilities in enacting mitigation strategies.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
Required: Ensure all eligible jurisdictions are participating in the NFIP.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
Required: Ensure all high-hazard potential dams have updated Emergency Action Plans (EAPs) in place.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
Required: Obtain or create inundation maps for all dams.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

MITIGATION ACTION SCORING MATRIX

Step One:

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5. **Risk Reduction** – Rank 1 – 5 – the proposed mitigation action on the extent to which it will reduce the total risk of the associated hazard, with 5 being the greatest contribution to risk reduction and 1 being the least contribution to risk reduction.

If you have any additional comments for a mitigation action, please leave them below each action.

Name:	Title:

Village of Rarden

Mitigation Action (Strategy)	Risk	Status	Ranking					
Adopt higher flood standards than NFIP minimums due to historical flood events and to reduce future damages	Flooding	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Anchor mobile homes and propane tanks	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Construct Safe Rooms - Community	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

Name:	Title:

Village of Rarden

Mitigation Action (Strategy)	Risk	Status	Ranking					
Create rental housing inspection and permit program	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Encourage jurisdictions to establish zones/building codes to control land use in at-risk areas	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Establish community shelters	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

Name:	Title:

Village of Rarden

Mitigation Action (Strategy)	Risk	Status	Ranking					
Mitigate structures in flood-prone areas	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Reduce systematic problems caused by utility line ruptures	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Remove debris in streams	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

MITIGATION ACTION SCORING MATRIX

Instructions

To complete this matrix, please write in each mitigation action applicable to your jurisdiction. Please score it from 1-5 for each category described below. For each category, a rating of 1 is the lowest score, a rating of 3 is neutral/unsure, and a rating of 5 is the highest score.

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Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
Required: Work with all jurisdictions on filling in gaps and strengthening capabilities in enacting mitigation strategies.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
Required: Ensure all eligible jurisdictions are participating in the NFIP.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
Required: Ensure all high-hazard potential dams have updated Emergency Action Plans (EAPs) in place.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
Required: Obtain or create inundation maps for all dams.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

MITIGATION ACTION SCORING MATRIX

Step One:

In the following tables, enter your name and position and select one of the following status options for each mitigation action in your jurisdiction:

- **Completed** (Use this if the action was completed)
- **Deleted** (Use this if you would like to remove the action from your new plan)
- **Ongoing** (Use this if you would like the action to carry through to your next plan)

Step two:

By marking the actions as Ongoing the action will be added to the new plan. In order to rank them effectively we ask that you score each of the following:

1. **Cost Effective** – Rank 1 – 5 – the cost effectiveness of each proposed mitigation action, with 5 being the most cost effective and 1 being the least cost effective.
2. **Technically Feasible** – Rank 1 – 5 – the feasibility of each proposed mitigation action, with 5 being the most feasible and 1 being the least feasible.
3. **Environmentally Sound** – Rank 1 – 5 – the proposed mitigation action in terms of how environmentally sound it seems, with 5 being the most sound and 1 being the least sound.
4. **Immediate Need** – Rank 1 – 5 – whether each proposed mitigation action is needed immediately, with 5 being the most immediate need and 1 being not an immediate need.
5. **Risk Reduction** – Rank 1 – 5 – the proposed mitigation action on the extent to which it will reduce the total risk of the associated hazard, with 5 being the greatest contribution to risk reduction and 1 being the least contribution to risk reduction.

If you have any additional comments for a mitigation action, please leave them below each action.

Name:	Title:

Village of South Webster

Mitigation Action (Strategy)	Risk	Status	Ranking					
Adopt higher flood standards than NFIP minimums due to historical flood events and to reduce future damages	Flooding	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Anchor mobile homes and propane tanks	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Construct Safe Rooms - Community	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

Name:	Title:

Village of South Webster

Mitigation Action (Strategy)	Risk	Status	Ranking					
Create rental housing inspection and permit program	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Establish community shelters	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Mitigate structures in flood-prone areas	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

Name:	Title:

Village of South Webster

Mitigation Action (Strategy)	Risk	Status	Ranking					
Reduce systematic problems caused by utility line ruptures	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

MITIGATION ACTION SCORING MATRIX

Instructions

To complete this matrix, please write in each mitigation action applicable to your jurisdiction. Please score it from 1-5 for each category described below. For each category, a rating of 1 is the lowest score, a rating of 3 is neutral/unsure, and a rating of 5 is the highest score.

1. **Cost Effective – Rank 1 – 5** – the cost effectiveness of each proposed mitigation action, with 5 being the most cost effective and 1 being the least cost effective.
2. **Technically Feasible – Rank 1 – 5** – the feasibility of each proposed mitigation action, with 5 being the most feasible and 1 being the least feasible.
3. **Environmentally Sound – Rank 1 – 5** – the proposed mitigation action in terms of how environmentally sound it seems, with 5 being the most sound and 1 being the least sound.
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5. **Risk Reduction – Rank 1 – 5** – the proposed mitigation action on the extent to which it will reduce the total risk of the associated hazard, with 5 being the greatest contribution to risk reduction and 1 being the least contribution to risk reduction.

We encourage you to consider regularly occurring problems for each hazard listed below and suggest mitigation actions for these problems. You may also list regularly occurring problems within your community without suggesting a mitigation action.

Every jurisdiction (County, City, and Village) must have one mitigation action for each hazard. The following pages include four new FEMA-required actions for you to score. If an action is applicable, please score the action. If it is not applicable to your jurisdiction (i.e. your jurisdiction doesn't have any dams) please skip (don't score) the action.

Following the required new actions, you will have the space to draft new mitigation actions that are applicable to your jurisdiction and score them. Please list the applicable hazard for each new drafted action. Any new actions must correspond with the county's hazard priorities as follows: Hazardous Materials, Utility Failure, Severe Winter Weather, Tornadoes, Flooding, Terrorism, Severe Summer Weather, Epidemic, Drought and Extreme Heat, Invasive Species, Earthquakes, Dam/Levee Failure, Wildfire, and Landslides/Land Subsidence.

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
Required: Work with all jurisdictions on filling in gaps and strengthening capabilities in enacting mitigation strategies.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
Required: Ensure all eligible jurisdictions are participating in the NFIP.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
Required: Ensure all high-hazard potential dams have updated Emergency Action Plans (EAPs) in place.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
Required: Obtain or create inundation maps for all dams.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
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		Technically Feasible	1	2	3	4	5
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Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
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		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
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		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
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		Cost Effective	1	2	3	4	5
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MITIGATION ACTION SCORING MATRIX

Step One:

In the following tables, enter your name and position and select one of the following status options for each mitigation action in your jurisdiction:

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If you have any additional comments for a mitigation action, please leave them below each action.

Name:	Title:

Washington Township

Mitigation Action (Strategy)	Risk	Status	Ranking					
Identify/resolve potential landslide locations	Landslides and Land Subsidence	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Anchor mobile homes and propane tanks	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Construct Safe Rooms - Community	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

Name:	Title:

Washington Township

Mitigation Action (Strategy)	Risk	Status	Ranking					
Establish community shelters	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Increase rural broadband coverage	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Mitigate structures in flood-prone areas	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

Name:	Title:

Washington Township

Mitigation Action (Strategy)	Risk	Status	Ranking					
Remove debris in streams	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

MITIGATION ACTION SCORING MATRIX

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Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
Required: Work with all jurisdictions on filling in gaps and strengthening capabilities in enacting mitigation strategies.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
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Required: Ensure all high-hazard potential dams have updated Emergency Action Plans (EAPs) in place.		Cost Effective	1	2	3	4	5
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		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
Required: Obtain or create inundation maps for all dams.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
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Mitigation Action (Strategy)	Risk	Ranking					
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SCIOTO COUNTY HAZARD MITIGATION PLAN

Public and Planning Meeting #2 | February 20, 2025

- Please sign In before you leave
  - Sign-in Roster or via Teams chat
  - Include your name, email, phone, title, and employer
- OR email kcousins@burtonplanning.com with your name, email, phone, title, employer, and meeting attended.

1

Introductions

Scioto County EMA

BPS Project Team

- Kimberly Burton, P.E., AICP CTP, LEED AP ND, Project Manager
- Kimberly Cousins, Project Manager, Environmental & Resiliency Manager
- Brett Morris, Assistant Project Manager, LEED Associate
- Meagan Russell, Hazard Mitigation Analyst
- Kairsten Nitsch, Associate Planner
- Chuck Foster, Hazard Mitigation Specialist

Core Planning Committee Members

2

Introductions

Why are we here today?

- Update the 2020 Scioto County Hazard Mitigation Plan
- Hazard mitigation overview
- Progress update
- Gather stakeholder input
- Next steps

3

4

Hazard Mitigation Overview

What is hazard mitigation?

- A sustained action to reduce or eliminate the long-term risk to human life and property from hazards.

Goals:

- Reduce potential losses in future disasters.
- Identify natural hazards and identify actions to reduce loss.
- Establish a process to implement these actions.

5

Hazard Mitigation Overview

Potential types of hazards include:

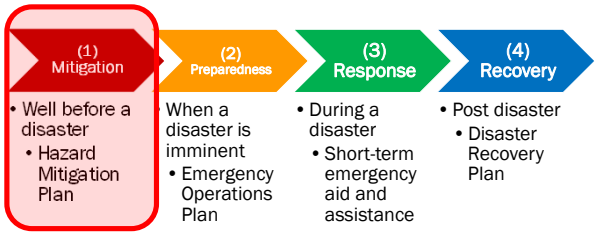
- Water (flooding, dam/levee failure)
- Wind (hurricanes, tornadoes, damaging winds)
- Summer and Winter Storms
- Drought, Wildfires, and Extreme Heat
- Geology (landslides, earthquakes)
- Invasive species

Microhydropower dam, Seattle 2015

6

Hazard Mitigation Overview

- The disaster response cycle



7

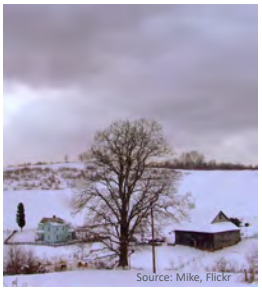
Hazard Mitigation Overview

Robert T. Stafford Disaster Relief and Emergency Assistance Act, 1988

- Presidential disaster declarations trigger federal assistance via FEMA.

Disaster Mitigation Act, 2000 (DMA2K)

- Legal basis for FEMA's state, local, and tribal mitigation planning requirements.
- Jurisdictions must have an adopted plan to be eligible for mitigation action funding from FEMA.



8

Hazard Mitigation Overview

Hazard Mitigation Plan Requirements

- To receive FEMA funding, hazard mitigation plans must be adopted by local jurisdictions & updated every 5 years.
- Hazard mitigation plans must include:
  - Public participation & documented update process
  - Existing conditions/demographics
  - Major disaster declarations since the previous plan
  - Risk assessments & vulnerability analyses for hazards
  - Mitigation actions & their status
  - Identified plan maintenance & updates

9

Hazard Mitigation Overview

Overall benefits of hazard mitigation planning:

1. Minimize property damage, economic loss, injuries, and loss of human life
2. Enhance public awareness and education of natural and man-made hazards
3. Coordinate inter-jurisdictional preparedness measures, mitigation actions, and programs for efficient and effective implementation
4. Provide tools for decision-makers to better prepare for disasters
5. Achieve state and federal regulatory compliance to be eligible for funding

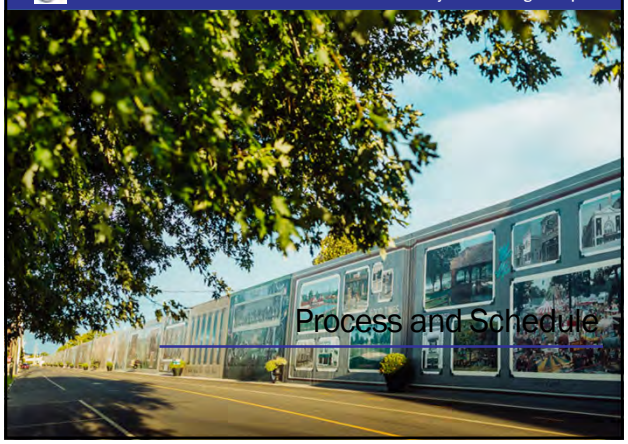
10

Hazard Mitigation Overview

Overall benefits of hazard mitigation planning:

6. Municipalities: funds for related building/infrastructure needs, such as addressing issues caused by hazards or improvements to reduce future issues
7. Police & Fire: funds for safety-related equipment & resources
8. Schools: funds for school safety-related equipment/resources
9. Businesses: reduce/eliminate site & operational impacts
10. General Public: reduce/eliminate monetary & emotional costs from lost lives & homes

11



12

Process & Schedule

Completed and Upcoming Tasks:

- ✓ Gathered critical facilities information
- ✓ Gathered GIS base mapping
- ✓ Gathered repetitive loss property information
- ✓ Summarized features and demographics of County and communities
- ✓ Gathered historical information on previous hazard events
- ✓ Identify past and potential hazards to evaluate in this plan update
- ✓ Identify mitigation actions from the previous plan that need to be updated.
- ➢ Identify new mitigation actions – need feedback today

13

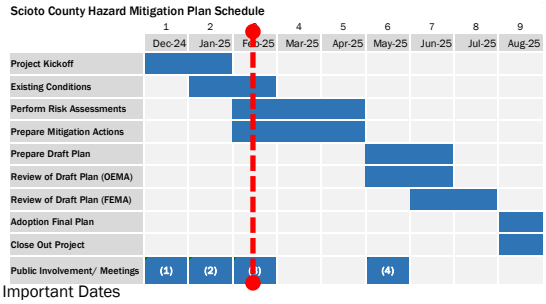
Process & Schedule

Hazard Mitigation Planning Process:

- ✓ Milestone 1: Project Kickoff Announcement; Gather Data For Existing Conditions/Demographics
- ✓ Milestone 2: Hold Planning Meeting #1
- ✓ Milestone 3: Perform Risk Assessments & Vulnerability Analyses; Develop Mitigation Actions
- ➢ Milestone 4: Hold Planning Meeting #2
- o Milestone 5: Prepare Draft Plan
- o Milestone 6: Conduct Reviews Of Draft Plan
- o Milestone 7: Adoption Of Plan
- o Milestone 8: Closeout Project

14

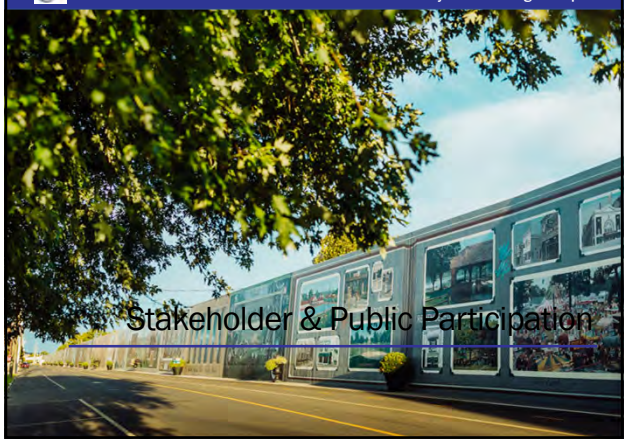
Scioto County Hazard Mitigation Plan Schedule



Important Dates

- ✓ Project Kickoff – December 2024 (Sent out by County EMA)
- ✓ Planning Meeting #1 – January 16, 2025
- ✓ Planning Meeting #2 – February 20, 2025
- o Reviews of draft plan – TBA
- o Adoption of plan – TBA

15



16

Your Role

Overview

- o Provide local knowledge & data as needed, including history, demographics, spatial information.
- o Help identify potential hazards based on previous experience & prioritize based on risk.
- o Help develop new mitigation actions, determine status of previous mitigation actions & prioritize
- o Provide feedback on draft plan
- o Participate in both planning meetings
- o Assist in plan adoption for representative local jurisdiction

17

Your Role

Today:

1. Website
2. Review survey results
3. Complete Mitigation Action Scoring Matrix Survey
4. General Feedback

18

Action Items

1. Project Website: https://burtonplanning.com/Scioto-hmp/

Action Items

2. Hazard Priorities

Hazard	Score	Rank
Flooding	4.56	1
Severe Winter Weather	3.85	2
Tornadoes	3.59	3
Severe Summer Weather	3.15	4
Wildfire	2.70	5
Landslides and Land Subsidence	2.67	6
Drought and Extreme Heat	2.33	7
Dam/Levee Failure	2.00	8
Earthquakes	1.22	9
Invasive Species	1.15	10

Action Items

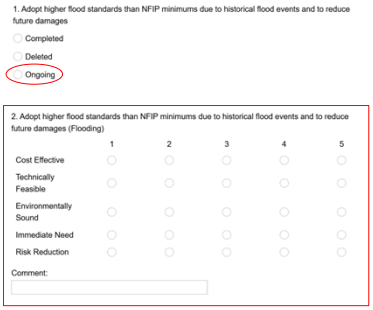
3. Complete Survey
   - Survey #4: Mitigation Action Scoring Matrix
     - **First Step:** Finalize the status for previous actions and if the action is Ongoing, score it.
       - Any Ongoing actions will be carried into the new plan.
     - **Second Step:** Answer the required actions and draft new actions for your jurisdiction.

How To: Previous Actions

Ongoing:
This will keep the action in your new plan. Please score all five option.

Completed:
This will mark you action as completed. No scoring required

Deleted:
This will delete the action for your jurisdiction for the new plan. No scoring required



How To: New Actions

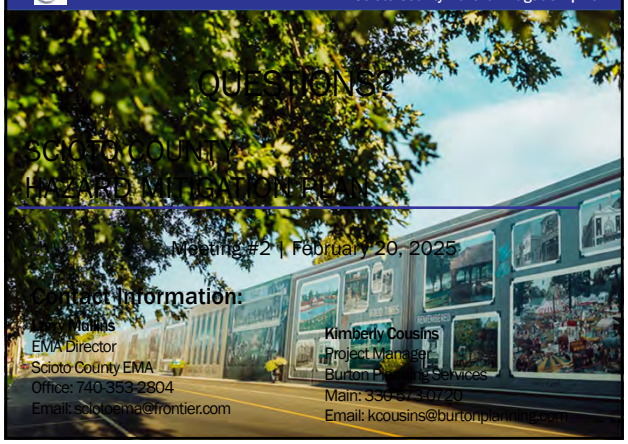
Mitigation Action Ideas

Hazard	Mitigation Action
Drought and Extreme Temperatures	Develop a drought communication plan and early warning system to facilitate timely communication of relevant information to officials, decision makers, emergency managers, and the general public.
Drought and Extreme Temperatures	Create a database to track those individuals at high risk of death, such as the elderly, homeless, etc.
Earthquake	Adopt the International Building Code (IBC) and International Residential Code (IRC).
Earthquake	Collect geologic information on seismic sources, soil conditions, and related potential hazards.
Flooding	Establish a "green infrastructure" program to link, manage, and expand existing parks, preserves, greenways, etc.
Flooding	Require developers to construct on-site retention basins for excessive stormwater and as a firefighting water source.
Invasive Species	Coordinate with local experts, such as colleges, and/or State officials to create an invasive species mitigation plan.
Invasive Species	Identify all invasive species that are currently impacting the county and neighboring counties.
Landslides and Land Subsidence	Define steep slope/high risk areas in land use and comprehensive plans and create guidelines or restrict new development in those areas.

Mitigation Action Ideas

Hazard	Mitigation Action
Landslides and Land Subsidence	Prohibit development in areas that have been identified as at-risk to subsidence.
Severe Summer Weather	Upgrade overhead utility lines (e.g., adjust utility pole sizes, utility pole span widths, and/or line strength).
Severe Summer Weather	Develop a lightning brochure for distribution by recreation equipment retailers or outfitters.
Severe Winter Weather	Adopt the International Building Code (IBC) and International Residential Code (IRC).
Severe Winter Weather	Install roadway/sidewalk/bike path, etc. heating technology to prevent ice/snow buildup
Tornado	Conduct tornado drills in schools and public buildings.
Tornado	Promote use of National Oceanic and Atmospheric Administration (NOAA) weather radios.
Wildfire	Describe policies and recommendations for addressing wildfire risk and discourage expansion in wildland-urban interface.
Wildfire	Address density and quantity of development, as well as emergency access, landscaping, and water supply.

25



QUESTIONS?

SCIOTO COUNTY HAZARD MITIGATION PLAN

Meeting #2 | February 20, 2025

Contact Information:

[illegible]
EMA Director
Scioto County EMA
Office: 740-353-2804
Email: sciotoema@frontier.com

Kimberly Cousins
Project Manager
Burton [illegible] Services
Main: 336-[illegible]-7220
Email: kcousins@burton[illegible]

26

Dam/Levee Failure

Occurs when any artificial barrier that impounds or diverts water is suddenly released in an uncontrollable manner, resulting in a flood wave that can damage buildings and infrastructure. Scioto County has eight High Hazard Potential dams, and four Significant Hazard Potential dams.

Drought

Droughts occur when water levels drop. They can occur anywhere, and they increase the risks of flash floods, wildfires, and landslides. Droughts occurred in 2023, 2022, 2021, 2020, 2019, 2017,2016, 2015, 2014, 2012, 2010, 2009, 2008, 2007, 2006, 2005, 2002, 2001, and 2000 in Scioto County.

Earthquake

Earthquakes are sudden and rapid movements caused by the abrupt shifting of Earth's tectonic plates deep beneath the surface. Although earthquakes are very rare, they are unpredictable and can be catastrophic.

Flooding

Floods are typically riverine, coastal, or shallow. Flash floods are floods that occur quickly, even occurring without visible signs of precipitation. Scioto County has experienced 145 floods and flash floods since 1995. These events caused approximately $8 million in property and crop damage.

Invasive Species

Invasive species are any species within Scioto County that are not native to the area. These species can cause ecological or economic damage.

Landslides/Land Subsidence

A landslide occurs when rocks, earth, or other materials move down a slope. Common causes include rain, floods, and development practices along slopes. Land subsidence is when Earth's surface settles or suddenly sinks. These are common with abandoned mines.

Severe Summer Weather

Severe storms include **hailstorms**, **heavy rain**, **high wind**, and **thunder/lightning** storms. There have been 344 events in Scioto County since 1995, causing approximately $10.5 million in property damage.

Severe Wind and Tornadoes

Tornadoes usually occur during severe thunderstorm events. Scioto County has experienced at least seven tornadoes since 1995. Tornadoes have caused approximately $640,000 in property and crop damage.

Severe Winter Weather

Winter storms can include extreme cold, freezing rain, ice, snow, high winds, or any combination of these conditions. There have been 112 events in Scioto County since 1995, causing approximately $2 million in property and crop damage.

Wildfire

Wildfires are fires that occur in the wilderness or countryside and can spread quickly. Scioto County has an average of 19 wildfire events per year between 2018 and 2022.

Hazard Mitigation

Purpose of Hazard Mitigation

According to the Federal Emergency Management Agency (FEMA), hazard mitigation is any sustained action taken to reduce or eliminate the long-term risk to human life and property from hazards such as tornadoes, flooding, and winter and severe storms. Mitigation activities may be implemented prior to, during, or after an incident. However, hazard mitigation has been shown to be most effective when based on an inclusive, comprehensive, long-term plan that is developed before a disaster occurs.

Because of this, federal regulations were developed through the Robert T. Stafford Disaster Relief and Emergency Assistance Act of 1988 and the Disaster Mitigation Act of 2000, to provide for state, local, and tribal governments to undertake a risk-based approach to reducing risks to natural hazards through mitigation planning. Under the Disaster Mitigation Act of 2000, jurisdictions must have an adopted hazard mitigation plan to remain eligible for pre- and post-mitigation disaster funding.

Federal Requirements

To receive FEMA funding, hazard mitigation plans must be adopted by local jurisdictions, updated every 5 years, and include:

- Public participation and documented update process
- Existing conditions and demographics
- Major disaster declarations since the previous plan
- Risk assessments and vulnerability analyses for hazards
- Mitigation actions and their status
- Identified plan maintenance and updates

Planning Process

- **Milestone 1:** Project kickoff; gather data for existing conditions and demographics.
- **Milestone 2:** Public Meeting #1 will provide time for the community to review goals for the plan, rank potential hazards, and determine the status of previous mitigation actions.
- **Milestone 3:** Burton Planning Services will perform risk assessments & vulnerability analyses and develop mitigation actions based on the feedback received from the first public meeting.
- **Milestone 4:** Public Meeting #2 will provide time for the community to review the proposed mitigation actions and rate actions based on relevance to local communities.
- **Milestone 5:** Burton Planning Services will prepare a draft plan based on community feedback and survey results.
- **Milestone 6:** The Ohio Emergency Management Agency and FEMA will conduct reviews of the draft plan.
- **Milestone 7:** Once the plan has been approved by FEMA, the County and participating jurisdictions will adopt the plan.

To Participate: Fill out digital surveys during the public meetings or fill out a paper copy of the surveys and mail them to the County EMA offices. Additionally, go to the link on the back of this page to fill out the surveys online.

Meeting 1 Surveys

Goals Survey

The Goals Survey seeks feedback on potential new goals for the 2025 Scioto County Hazard Mitigation Plan.

Link: https://www.surveymonkey.com/r/SciotoGoals

Hazard Priority Survey

The Hazard Priority Survey seeks feedback on each potential hazard to determine which hazards should be included in the 2025 mitigation plan.

Link: https://www.surveymonkey.com/r/SciotoHazardPriority

Meeting 2 Surveys:

Mitigation Action Scoring Matrix Survey

The Mitigation Action Scoring Matrix Survey seeks feedback from County communities on what specific projects and activities (mitigation actions) will help their communities. This is two parts: Previous Actions and New Actions. Please review both parts.

Link: https://www.surveymonkey.com/r/SciotoMitigationActionScoring

Questions & Contact

You may reach out to the Scioto County Emergency Management Agency for questions or to return physical surveys via mail.

Scioto County EMA
Larry Mullins, EMA Director
Email: sciotoema@frontier.com
Office: 740-355-8300

Burton Planning Services
Kimberly Cousins, Project Manager, Senior Resiliency Specialist
Email: kcousins@burtonplanning.com
Office: 330-573-0720

PUBLIC MEETING ANNOUNCEMENT

Scioto County was recently awarded a Pre-Disaster Mitigation Grant to update our County's Hazard Mitigation Plan. This update is required by FEMA every five years to remain eligible for funding for projects. Municipalities, police and fire departments, schools, businesses, and the public may receive funding for any mitigation strategy found in the approved and adopted plan update. Community input is critical to this plan's success (and the FEMA approval process). As such, **we are asking for your participation in the planning process at one of the following meetings.**

Planning Meeting 2
Thursday, February 20, 2025, at 2:00 PM
Scioto County Welcome Center
342 2nd Street
Portsmouth, Ohio 45662

Public Meeting 2
Thursday, February 20, 2025, at 5:00 PM
Scioto County Welcome Center
342 2nd Street
Portsmouth, Ohio 45662

These meetings will be offered in multiple formats that allow stakeholders and the public to participate according to their availability and comfort level. The meeting formats will include in-person meetings and an online option via Microsoft teams. Surveys will be offered in both hard copy and digital formats. If you are unable to attend, please let us know and we will work with you to obtain participation in other formats.

Prior to the meeting, we have two action items for your completion:

1. **Review the attached items**, which describe the goal of the hazard mitigation planning process, who is involved in updating the plan, why the plan needs to be updated, and an overview of the planning process and schedule.
2. **Complete the Mitigation Action Scoring Matrix Survey** prior to the meeting by accessing the surveys via project webpage, where you can choose to complete the surveys online via a SurveyMonkey or download a PDF.

Many of you may wonder why you have been asked to participate in this process. Updating the Hazard Mitigation Plan every five years allows us to identify opportunities to lessen the potential impacts from disasters and allows us to evaluate projects that have been completed during the past five-year cycle. All possible projects are identified by YOU, our community leaders. Once our plan has gone through the FEMA approval process and has been adopted locally, we can apply for grant funding that could potentially cover 75% of the costs associated with those projects.

Thank you for supporting our project and we look forward to seeing you on February 20!

Reference Material Links
1. Plan Overview (link)
2. 2020 Hazard Mitigation Plan (link)
3. Scioto Hazard Mitigation Plan website (link)
4. Scioto County Previous and New Mitigation Action Scoring Matrix (link)

Larry Mullins, Director
Scioto County Emergency Management Agency
729 Sixth Street
Portsmouth, Ohio 45662
Phone: (740) 353-2804
Email: sciotoema@frontier.com

Larry Mullins, Director
Scioto County Emergency Management Agency
729 Sixth Street
Portsmouth, Ohio 45662
Phone: (740) 353-2804

Scioto County Emergency Management Agency
Scioto County Emergency Management Agency
729 Sixth Street
Portsmouth, Ohio 45662
Phone: (740) 353-2804

February 6, 2025

To Whom it May Concern:

The Scioto County Hazard Mitigation Plan is being updated. The Hazard Mitigation Plan addresses threats from potential hazards and identifies possible strategies and projects to reduce the impacts, protect people and property, and reduce or eliminate long-term risk. It is necessary to update the Plan every five years so that the County and participating communities remain eligible for pre-disaster mitigation grant programs.

Public participation is a critical component of a successful and comprehensive update. Scioto County EMA will be hosting a public meeting on **Thursday, February 20, 2025, at 5:00 PM at the Scioto County Welcome Center, 342 2nd St., Portsmouth, OH 45662.**

If unable to attend in person, please attend virtually via Microsoft Teams. Public attendance and feedback is important. Members of the public can join the virtual meeting using the following links and phone numbers:

Public Meeting
Thursday, February 20, 2025, at 5:00 PM

Please join the meeting from your computer, tablet, or smartphone.
Access the Microsoft Teams Meeting Link at burtonplanning.com/scioto-hmp.

You can also dial in using your phone (audio only)
+1 469-998-7570
Phone Conference ID: 614 339 987#

Attendees will have an opportunity to identify mitigation projects to reduce or eliminate disaster-related losses. The public's feedback is essential to provide input on any potential hazards and to rate the priority of the hazards that will be included in the next plan.

Signed,

Larry Mullins, Scioto County EMA Director

Sign-In Sheet: Stakeholder Meeting #2

February 20, 2025
2:00 p.m.

NAME	PHONE	EMAIL	EMPLOYER	TITLE
Larry Mullins	740-355-8300	sciotoema@frontier.com	Scioto County EMA	Director
Bill Lynn	740-355-8300	sciotoema@yahoo.com	Scioto County EMA	Deputy Director
Doug Pelphrey	740-352-9888	Doug.pelphrey@ohio.kdhs.us	KDOH	
Mike Mershon	740-357-5367	Mike.mershon@portertwp.com	Porter Twp	SSD
Anthony Shy	740-357-3897	Butch.73@hotmail.com	Washington FD	Chief
Alicia Silverio	614-265-1006	alicia.silverio@dnr.ohio.gov	ODNR Floodplain Mgmt. Program	Program Manager / NFIP State Coordinator
Ronald Syroney	513-515-2740	rardenvillage@yahoo.com	Village of Rardon	Mayor
George Moore	740-464-6071	Green.fire.dept@gmail.com	Green Fire Dept.	Chief
Jim Delabar	740-529-9811	jmdelabar@hotmail.com	Retired	LEPC Member
Jeremy Litteral	740-820-3896	jlitteral@minfordfalcons.net	Minford LSD	Superintendent
Kris Ruggles	740-821-5134	Kris.ruggles@strand.com	Strand Consulting	Engineer
Cindy Oakes	800-582-7277	coakes@aaa7.org	AAA7	Ombudsman
Mark A Hicks	740-352-6960	mnicks@portsmouthoh.org	City of Portsmouth	Supervisor
Denise Rose	740-357-3447	K.k38rose@gmail.com	Village of Otway	Mayor
Stephen Hamilton	740-821-6425	Steve.hamilton39@yahoo.com	Village of New Boston	Administrator

Sign-In Sheet: Stakeholder Meeting #2

February 20, 2025
2:00pm

NAME	PHONE	EMAIL	EMPLOYER	TITLE
Blaine Duduit	740-285-4423	Blain.duduit@sciotocountysheriff.com	SCSO	Chief Deputy
Randy Nickles	740-285-1778	rnickles@portsmouthoh.org	City of Portsmouth	Director of Wastewater
Heidi Riepenhoff	740-355-8811	Heidi.riepenhoff@jfs.ohio.gov	SCDJFA	PA Administrator
Darren LeBrun	740-259-5571	Darren.lebrun@sciotocountyengineer.org	Scioto County	Engineer
Scott Lewis	740-250-2862	Scott.lewis@oh.nacdnet.net	Scioto SWCD	Technician
Kyle Copley	740-352-9684	Kyle.copley@sciototech.org	SCCTC	Superintendent
Dan Simco	740-353-2400	Dan.simco@use.salvationarmy.org	Salvation Army	Officer
Sandy Mers	740-339-2937	Sandy.mers@scoesc.org	SCOESC	Superintendent
Brian Stidham	740-357-6618	bssewers@yahoo.com	City	Superintendent

Sign-In Sheet: Stakeholder Meeting #2

February 20, 2025
5:00 p.m.

NAME	PHONE	EMAIL	EMPLOYER	TITLE
Larry Mullins	740-355-8300	sciotoema@frontier.com	Scioto County EMA	Director
Bill Lynn	740-355-8300	sciotoema@yahoo.com	Scioto County EMA	Deputy Director
Alicia Silverio	614-265-1006	alicia.silverio@dnr.ohio.gov	ODNR Floodplain Mgmt. Program	Program Manager / NFIP State Coordinator
Debby Brewer	740-352-6951	dbrewer@portsmouthoh.gov	Portsmouth PD	Chief

Sign-In Sheet: Stakeholder Meeting #2

February 20, 2025
5:00pm

NAME	PHONE	EMAIL	EMPLOYER	TITLE

Surveys:
Scioto County

#25

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Tuesday, January 28, 2025 9:46:14 AM
Last Modified:	Tuesday, January 28, 2025 9:47:00 AM
Time Spent:	00:00:46
IP Address:	128.146.69.190

Page 1: Survey Instructions

Q1

Name and Organization

Name	**Kane Lewis**
Organization/Agency	**The Ohio State University**
Title/Position	**Agriculture & Natural Resources**
Email Address	**lewis.3513@osu.edu**

Q2

For which community are you responding?

Scioto County

Page 2: Goals Survey

Q3

Reduce or eliminate impact of hazards on public safety, lives, property, and infrastructure.

	(no label)
Increase survivability of emergency communications.	**Include**
Plan for safe development.	
Create self-sufficiency.	
Plan for safe development.	
Increase public awareness.	**Include**

Q4

New Goals: Please provide any goals or objectives you would like included in the Plan.

Respondent skipped this question

Q5

Please provide any additional comments related to these goals in the space below.

Respondent skipped this question

Page 3: Survey Complete!

Q6

General Comments

Respondent skipped this question

#3

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Tuesday, January 07, 2025 8:34:11 AM
Last Modified:	Tuesday, January 07, 2025 8:39:16 AM
Time Spent:	00:05:04
IP Address:	50.54.2.18

Page 1: Survey Instructions

Q1

Name and Organization

Name	**Bill Lynn**
Organization/Agency	**Scioto County EMA**
Title/Position	**Deputy Director**
Email Address	**sciotoema@yahoo.com**

Q2

For which community are you responding?

Scioto County

Page 2: Goals Survey

Q3

Reduce or eliminate impact of hazards on public safety, lives, property, and infrastructure.

	(no label)
Increase survivability of emergency communications.	**Include**
Plan for safe development.	
Create self-sufficiency.	
Plan for safe development.	
Increase public awareness.	**Include**

Q4

New Goals: Please provide any goals or objectives you would like included in the Plan.

New Goal 1	**Severe weather public warning system and notifications**

Q5

Please provide any additional comments related to these goals in the space below.

Respondent skipped this question

Page 3: Survey Complete!

Q6

General Comments

Respondent skipped this question

#13

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Monday, January 13, 2025 8:36:34 AM
Last Modified:	Monday, January 13, 2025 8:39:21 AM
Time Spent:	00:02:46
IP Address:	199.149.193.168

Page 1: Survey Instructions

Q1

Name and Organization

Name	**Danielle Taylor**
Organization/Agency	**Scioto Soil and Water Conservation District**
Title/Position	**Program Administrator**
Email Address	**danielle.taylor@oh.nacdnet.net**

Q2

For which community are you responding?

Scioto County

Page 2: Goals Survey

Q3

Reduce or eliminate impact of hazards on public safety, lives, property, and infrastructure.

	(no label)
Increase survivability of emergency communications.	**Include**
Plan for safe development.	**Include**
Create self-sufficiency.	**Include**
Plan for safe development.	**Include**
Increase public awareness.	**Include**

Q4

New Goals: Please provide any goals or objectives you would like included in the Plan.

Respondent skipped this question

Q5

Please provide any additional comments related to these goals in the space below.

Respondent skipped this question

Page 3: Survey Complete!

Q6

General Comments

Respondent skipped this question

#14

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Monday, January 13, 2025 9:03:18 AM
Last Modified:	Monday, January 13, 2025 9:17:25 AM
Time Spent:	00:14:06
IP Address:	74.135.56.242

Page 1: Survey Instructions

Q1

Name and Organization

Name	**Darren LeBrun**
Organization/Agency	**County Engineer**
Title/Position	**County Engineer**
Email Address	**darren.lebrun@sciotocountyengineer.org**

Q2

Scioto County

For which community are you responding?

Page 2: Goals Survey

Q3

Reduce or eliminate impact of hazards on public safety, lives, property, and infrastructure.

	(no label)
Increase survivability of emergency communications.	**Include**
Plan for safe development.	**Include**
Create self-sufficiency.	**Include**
Plan for safe development.	**Include**
Increase public awareness.	**Include**

Q4

New Goals: Please provide any goals or objectives you would like included in the Plan.

New Goal 1	**Replace antiquated floodwall pump station control systems**
New Goal 2	**Remove debris in streams and reduce stream erosion**
New Goal 3	**Elevate roadways in flood prone areas**
New Goal 4	**Identify/resolve potential landslide locations**
New Goal 5	**Upgrade undersized/improve storm drain systems**

Q5

Please provide any additional comments related to these goals in the space below.

The floodwall pump control systems are being upgraded in New Boston I am not aware of their status in Portsmouth.

The other goals are countywide. They reflect issues we have had especially due to the intensity of some rainstorms.

Page 3: Survey Complete!

Q6

General Comments

Thank you for asking for my input.

#2

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Tuesday, January 07, 2025 8:18:37 AM
Last Modified:	Tuesday, January 07, 2025 8:38:48 AM
Time Spent:	00:20:10
IP Address:	50.54.2.18

Page 1: Survey Instructions

Q1

Name and Organization

Name	**Larry Mullins**
Organization/Agency	**Scioto EMA**
Title/Position	**Director**
Email Address	**sciotoema@frontier**

Q2

For which community are you responding?

Scioto County

Page 2: Goals Survey

Q3

Reduce or eliminate impact of hazards on public safety, lives, property, and infrastructure.

	(no label)
Increase survivability of emergency communications.	**Include**
Plan for safe development.	**Do Not Include**
Create self-sufficiency.	**Include**
Plan for safe development.	**Do Not Include**
Increase public awareness.	**Include**

Q4

New Goals: Please provide any goals or objectives you would like included in the Plan.

New Goal 1	**Develop a flash flooding mitigation plan for the Village of New Boston**
New Goal 2	**Upgrade the Portsmouth city sewer system to prevent backflow problems**
New Goal 3	**Install tornado sirens in the city and countywide.**
New Goal 4	**Install protection measures to prevent flash flooding on the campus of Shawnee State University**
New Goal 5	**Promote the importance of homeowners to have flood insurance.**

Q5

Please provide any additional comments related to these goals in the space below.

The Village of New Boston continuously experiences flash flooding. A plan needs developed to mitigate this problem.

The citizens of Portsmouth continue to experience back flow problems from the city's combined sewer sytem. A plan needs to be develop to eliminate this problem.

The only tornado sirens in Scioto County are located on the campus of SSU. A plan to estiblish a countywide system needs to be devolped.

During recent flash flooding the campus of SSU suffered substainal damage. A mitigation plan to prevent this in the future needs to be developed.

During recent flash flooding many residents of Portsmouth flash flooding eventhough their homes were locate outside the flood plain. A public awareness campaign needs to be developed to promote every homeowner to purchase flood insurance regardless of where they live.

Page 3: Survey Complete!

Q6 **Respondent skipped this question**

General Comments

#12

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Wednesday, January 08, 2025 11:46:50 AM
Last Modified: Thursday, January 09, 2025 2:52:28 PM
Time Spent: Over a day
IP Address: 199.149.193.69

Page 1: Survey Instructions

Q1

Name and Organization

Name	**Scott Lewis**
Organization/Agency	**Scioto Soil and Water Conservation District**
Title/Position	**District Technician**
Email Address	**scott.lewis@oh.nacdnet.net**

Q2

For which community are you responding?

Scioto County

Page 2: Goals Survey

Q3

Reduce or eliminate impact of hazards on public safety, lives, property, and infrastructure.

	(no label)
Increase survivability of emergency communications.	**Include**
Plan for safe development.	**Include**
Create self-sufficiency.	**Include**
Plan for safe development.	**Include**
Increase public awareness.	**Include**

Q4

New Goals: Please provide any goals or objectives you would like included in the Plan.

New Goal 1	**Stream channel maintenance to reduce stream flow obstructions and maximize channel flow capacity potentially reducing out of bank flow.**
New Goal 2	**Increased adoption of stormwater runoff management practices to increase precipitation ground infiltration potentially reducing stormwater runoff amounts.**
New Goal 3	**Increased public education and training for individual and community civil emergency preparedness and response.**
New Goal 4	**Work closely with surrounding counties and states in coordinating hazard and threat mitigation and response.**
New Goal 5	**Increased NBC public fallout shelters.**

Q5

Please provide any additional comments related to these goals in the space below.

Respondent skipped this question

Page 3: Survey Complete!

Q6

General Comments

Respondent skipped this question

#20

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Thursday, January 16, 2025 9:07:26 AM
Last Modified:	Thursday, January 16, 2025 9:09:49 AM
Time Spent:	00:02:23
IP Address:	156.63.69.79

Page 1: Survey Instructions

Q1

Name and Organization

Name	**Tammy Moore Morton**
Organization/Agency	**Scioto County Job and Family Services**
Title/Position	**Director**
Email Address	**Tamela.Moore@jfs.ohio.gov**

Q2

For which community are you responding?

Scioto County

Page 2: Goals Survey

Q3

Reduce or eliminate impact of hazards on public safety, lives, property, and infrastructure.

	(no label)
Increase survivability of emergency communications.	**Include**
Plan for safe development.	**Include**
Create self-sufficiency.	**Include**
Plan for safe development.	**Do Not Include**
Increase public awareness.	**Include**

Q4

New Goals: Please provide any goals or objectives you would like included in the Plan.

Respondent skipped this question

Q5

Please provide any additional comments related to these goals in the space below.

Respondent skipped this question

Page 3: Survey Complete!

Q6

General Comments

Respondent skipped this question

#1

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Tuesday, January 07, 2025 8:39:36 AM
Last Modified:	Tuesday, January 07, 2025 8:43:03 AM
Time Spent:	00:03:27
IP Address:	50.54.2.18

Page 1: Survey Instructions

Q1

Name and Organization

Name	**Bill YLnn**
Organization/Agency	**Scioto County EMA**
Title/Position	**Deputy Director**
Email Address	**sciotoema@yahoo.com**

Q2

What Jurisdiction are answering for?

Scioto County

Page 2: Hazard Priorities

Q3

Hazards included in 2020 Plan

1. Dam/Levee Failure	**Medium Priority**
2. Drought and Extreme Heat	**Medium-High Priority**
3. Earthquakes	**Low-Medium Priority**
4. Flooding	**Highest Priority**
5. Invasive Species	**Low-Medium Priority**
6. Landslides and Land Subsidence	**Low-Medium Priority**
7. Severe Summer Weather	**Highest Priority**
8. Severe Winter Weather	**Highest Priority**
9. Tornadoes	**Highest Priority**
10. Wildfire	**Medium-High Priority**

Q4

Please consider the following and provide any additional comments: Please consider how the hazards are grouped - Should any be made into separate categories or grouped differently? Are there any hazards not listed that you would like to see included in the 2025 Plan? Any additional comments.

Respondent skipped this question

Page 3: Survey Complete!

Q5

General Comments

Respondent skipped this question

#13

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Monday, January 13, 2025 9:17:39 AM
Last Modified:	Monday, January 13, 2025 9:24:41 AM
Time Spent:	00:07:02
IP Address:	74.135.56.242

Page 1: Survey Instructions

Q1

Name and Organization

Name	**Darren LeBrun**
Organization/Agency	**County Engineer**
Title/Position	**County Engineer**
Email Address	**darren.lebrun@sciotocountyengineer.org**

Q2

What Jurisdiction are answering for?

Scioto County

Page 2: Hazard Priorities

Q3

Hazards included in 2020 Plan

1. Dam/Levee Failure	**Low-Medium Priority**
2. Drought and Extreme Heat	**Low-Medium Priority**
3. Earthquakes	**Low-Medium Priority**
4. Flooding	**Highest Priority**
5. Invasive Species	**Low-Medium Priority**
6. Landslides and Land Subsidence	**Medium-High Priority**
7. Severe Summer Weather	**Medium Priority**
8. Severe Winter Weather	**Medium Priority**
9. Tornadoes	**Medium-High Priority**
10. Wildfire	**Medium Priority**

Q4

Please consider the following and provide any additional comments: Please consider how the hazards are grouped - Should any be made into separate categories or grouped differently? Are there any hazards not listed that you would like to see included in the 2025 Plan? Any additional comments.

I think they are grouped fine. I think we should consider the hazard of a widespread electronic attack on critical infrastructure (electricity grid, water and waste water systems, etc) unless this is for natural disasters only.

Page 3: Survey Complete!

Q5

General Comments

Thank you for asking for my input.

#8

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Tuesday, January 07, 2025 11:17:26 AM
Last Modified:	Tuesday, January 07, 2025 11:19:36 AM
Time Spent:	00:02:10
IP Address:	205.164.224.250

Page 1: Survey Instructions

Q1

Name and Organization

Name	**David Thoroughman**
Organization/Agency	**Scioto County Sheriff's Office**
Title/Position	**Sheriff**
Email Address	**david.thoroughman@sciotocountysheriff.com**

Q2

What Jurisdiction are answering for?

Scioto County

Page 2: Hazard Priorities

Q3

Hazards included in 2020 Plan

2. Drought and Extreme Heat	**Lowest Priority**
3. Earthquakes	**Lowest Priority**
4. Flooding	**Highest Priority**
5. Invasive Species	**Do not include**
6. Landslides and Land Subsidence	**Medium-High Priority**
7. Severe Summer Weather	**Lowest Priority**
8. Severe Winter Weather	**Low-Medium Priority**
9. Tornadoes	**Medium-High Priority**
10. Wildfire	**Medium Priority**

Q4

Please consider the following and provide any additional comments: Please consider how the hazards are grouped - Should any be made into separate categories or grouped differently? Are there any hazards not listed that you would like to see included in the 2025 Plan? Any additional comments.

Respondent skipped this question

Page 3: Survey Complete!

Q5

General Comments

Respondent skipped this question

#2

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Tuesday, January 07, 2025 8:39:29 AM
Last Modified:	Tuesday, January 07, 2025 8:44:48 AM
Time Spent:	00:05:19
IP Address:	50.54.2.18

Page 1: Survey Instructions

Q1

Name and Organization

Name	**Larry Mullins**
Organization/Agency	**Scioto EMA**
Title/Position	**Director**
Email Address	**sciotoema@frontier.com**

Q2

What Jurisdiction are answering for?

Scioto County

Page 2: Hazard Priorities

Q3

Hazards included in 2020 Plan

1. Dam/Levee Failure	**Medium Priority**
2. Drought and Extreme Heat	**Medium-High Priority**
3. Earthquakes	**Lowest Priority**
4. Flooding	**Highest Priority**
5. Invasive Species	**Lowest Priority**
6. Landslides and Land Subsidence	**Medium Priority**
7. Severe Summer Weather	**Highest Priority**
8. Severe Winter Weather	**Highest Priority**
9. Tornadoes	**Medium-High Priority**
10. Wildfire	**Medium-High Priority**

Q4

Please consider the following and provide any additional comments: Please consider how the hazards are grouped - Should any be made into separate categories or grouped differently? Are there any hazards not listed that you would like to see included in the 2025 Plan? Any additional comments.

Infectious Disease, terrorist attack, and civil unarrest may want to be considered as additional hazards.

Page 3: Survey Complete!

Q5 **Respondent skipped this question**

General Comments

#12

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Thursday, January 09, 2025 2:53:33 PM
Last Modified:	Thursday, January 09, 2025 3:03:06 PM
Time Spent:	00:09:33
IP Address:	199.149.193.69

Page 1: Survey Instructions

Q1

Name and Organization

Name	**Scott Lewis**
Organization/Agency	**Scioto Soil and Water Conservation District**
Title/Position	**District Manager/Technician**
Email Address	**scott.lewis@oh.nacdnet.net**

Q2

What Jurisdiction are answering for?

Scioto County

Page 2: Hazard Priorities

Q3

Hazards included in 2020 Plan

1. Dam/Levee Failure	**Medium Priority**
2. Drought and Extreme Heat	**Medium-High Priority**
3. Earthquakes	**Low-Medium Priority**
4. Flooding	**Highest Priority**
5. Invasive Species	**Lowest Priority**
6. Landslides and Land Subsidence	**Lowest Priority**
7. Severe Summer Weather	**Medium-High Priority**
8. Severe Winter Weather	**Medium Priority**
9. Tornadoes	**Low-Medium Priority**
10. Wildfire	**Lowest Priority**

Q4

Please consider the following and provide any additional comments: Please consider how the hazards are grouped - Should any be made into separate categories or grouped differently? Are there any hazards not listed that you would like to see included in the 2025 Plan? Any additional comments.

Not listed but potential for occurring: civil unrest; hazardous material release.

Page 3: Survey Complete!

Q5 **Respondent skipped this question**

General Comments

#11

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Monday, January 13, 2025 9:30:43 AM
Last Modified:	Monday, January 13, 2025 9:36:51 AM
Time Spent:	00:06:07
IP Address:	74.135.56.242

Page 1: Survey Instructions

Q1

Contact Information

Name	**Darren LeBrun**
Organization/Agency	**County Engineer**
Title/Position	**County Engineer**
Email Address	**darren.lebrun@sciotocountyengineer.org**

Q2

For which community are you responding?If your community is not listed in the dropdown menu, please select Scioto County to proceed, but you are not required to take the survey.

Scioto County

Page 2: Previous Mitigation Actions: Scioto County

Q3

Adopt higher flood standards than NFIP minimums due to historical flood events and to reduce future damages

Ongoing (List percent completed or describe progress made below)

,

(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:

I do not know the status of this issue

Q4

Conduct a hydrologic and hydraulic (H&H) study of Scioto County

Ongoing (List percent completed or describe progress made below)

,

(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:

I do not know the status of this issue

Q5

Identify/resolve potential landslide locations

Ongoing (List percent completed or describe progress made below)

,

(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:

Our department can get a list of these locations on county and township roadways. I was not aware this was a task to be completed.

Q6

Anchor mobile homes and propane tanks

Ongoing (List percent completed or describe progress made below)

,

(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:

I do not know the status of this issue

Q7

Construct Safe Rooms - Community

Ongoing (List percent completed or describe progress made below)

,

(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:

I do not know the status of this issue

Q8

Construct Safe Rooms - Residential

Ongoing (List percent completed or describe progress made below)

,

(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:

I do not know the status of this issue

Q9

Create rental housing inspection and permit program

Ongoing (List percent completed or describe progress made below)

,

(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:

I do not know the status of this issue

Q10

Develop and implement an all-hazards public education program

Ongoing (List percent completed or describe progress made below)

,

(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:

I do not know the status of this issue

Q11

Encourage jurisdictions to establish zones/building codes to control land use in at-risk areas

Ongoing (List percent completed or describe progress made below)

,

(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:

I do not know the status of this issue

Q12

Enhance public warning systems.

Ongoing (List percent completed or describe progress made below)

,

(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:

I do not know the status of this issue

Q13

Establish community shelters

Ongoing (List percent completed or describe progress made below)

,

(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:

I do not know the status of this issue

Q14

Increase rural broadband coverage

Ongoing (List percent completed or describe progress made below)

,

(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:

I do not know the status of this issue

Q15

Install generators at critical facilities

Ongoing (List percent completed or describe progress made below)

,

(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:

I do not know the status of this issue

Q16

Mitigate structures in flood-prone areas

Ongoing (List percent completed or describe progress made below)

,

(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:

I do not know the status of this issue

Q17

Purchase stock of PPE for first responders

Ongoing (List percent completed or describe progress made below)

,

(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:

I do not know the status of this issue

Q18

Rehabilitate dams known to be of high hazard

Ongoing (List percent completed or describe progress made below)

,

(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:

I do not know the status of this issue

Q19

Remove debris in streams

Ongoing (List percent completed or describe progress made below)

,

(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:

Our department can get a list of these locations on county and township roadways. I was not aware this was a task to be completed.

Q20

Update dam Emergency Action Plans; update inundation data for dams without EAPs or no current inundation data

Ongoing (List percent completed or describe progress made below)

,

(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
I do not know the status of this issue

Q21

Upgrade undersized/establish storm water drainage systems

(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
Our department can get a list of these locations on county and township roadways. I was not aware this was a task to be completed.

#2

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Tuesday, January 07, 2025 8:44:59 AM
Last Modified:	Tuesday, January 07, 2025 9:01:06 AM
Time Spent:	00:16:06
IP Address:	50.54.2.18

Page 1: Survey Instructions

Q1

Contact Information

Name	**Larry Mullins**
Organization/Agency	**Scioto EMA**
Title/Position	**Director**
Email Address	**sciotoema@frontier.com**

Q2

For which community are you responding?If your community is not listed in the dropdown menu, please select Scioto County to proceed, but you are not required to take the survey.

Scioto County

Page 2: Previous Mitigation Actions: Scioto County

Q3

Adopt higher flood standards than NFIP minimums due to historical flood events and to reduce future damages

Ongoing (List percent completed or describe progress made below)

,

(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:

I think the county flood plain manager is working toward this.

Q4

Conduct a hydrologic and hydraulic (H&H) study of Scioto County

Unchanged (Indicate why below),
(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
No funding for the study.

Q5

Identify/resolve potential landslide locations

Ongoing (List percent completed or describe progress made below)
,
(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
The county engineer has a good idea of the locations of potential landslides.

Q6

Anchor mobile homes and propane tanks

Deleted (Indicate why below),
(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
Without any zoning in Scioto County, this is impossible to enforce.

Q7

Construct Safe Rooms - Community

Unchanged (Indicate why below),
(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
Only one tornado shelter has been built in the county since the last plan. Green schools included one in their new construction.

Q8

Construct Safe Rooms - Residential

Unchanged (Indicate why below),
(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
To my knowledge no one has built a residential safe room.

Q9

Create rental housing inspection and permit program

Ongoing (List percent completed or describe progress made below)

,

(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
The city has made progress towards this goal.

Q10

Develop and implement an all-hazards public education program

Ongoing (List percent completed or describe progress made below)

,

(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
Scioto EMA has become more aggressive in pursuing this goal with high profile social media and use of traditional media. Plans are underway to enguage schools.

Q11

Encourage jurisdictions to establish zones/building codes to control land use in at-risk areas

Unchanged (Indicate why below),

(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
There is zoning in the city but none in the county making this impossible in the county.

Q12

Enhance public warning systems.

Ongoing (List percent completed or describe progress made below)

,

(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
Scioto EMA has added Code Red Emergecny Notification System and the ability to send alerts using IPAWS.

Q13

Establish community shelters

Unchanged (Indicate why below),
(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
Funding is the main obsticle of accomplishing this.

Q14

Increase rural broadband coverage

Ongoing (List percent completed or describe progress made below)
,
(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
Efforts are underway to improve Broadband coverage throughout the county.

Q15

Install generators at critical facilities

Unchanged (Indicate why below),
(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
Lack of funding is preventing accomplishing this.

Q16

Mitigate structures in flood-prone areas

Unchanged (Indicate why below),
(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
Once again flooding ans planning is preventing this.

Q17

Purchase stock of PPE for first responders

Unchanged (Indicate why below),
(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
No funds are available for this. However during covid the state provided PPE which some is still stockpiled.

Q18

Rehabilitate dams known to be of high hazard

Ongoing (List percent completed or describe progress made below)

,

(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
Various agencies are monitoring the conditions of area dams and are rehabilitating as needed.

Q19

Remove debris in streams

Unchanged (Indicate why below),

(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
Funding to do this is a major stumbling block.

Q20

Update dam Emergency Action Plans; update inundation data for dams without EAPs or no current inundation data

Ongoing (List percent completed or describe progress made below)

,

(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
This is an ongoing process for the agecies responsbile for each dam.

Q21

Upgrade undersized/establish storm water drainage systems

Ongoing (List percent completed or describe progress made below)

,

(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
The county engineer has made good progress in this since the last plan.

#19

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Thursday, January 16, 2025 9:09:57 AM
Last Modified:	Thursday, January 16, 2025 9:12:33 AM
Time Spent:	00:02:36
IP Address:	156.63.69.79

Page 1: Survey Instructions

Q1

Name and Organization

Name	**Tammy Moore Morton**
Organization/Agency	**Scioto County Job and Family Services**
Title/Position	**Director**
Email Address	**Tamela.Moore@jfs.ohio.gov**

Q2

What Jurisdiction are answering for?

Scioto County

Page 2: Hazard Priorities

Q3

Hazards included in 2020 Plan

1. Dam/Levee Failure	**Medium-High Priority**
2. Drought and Extreme Heat	**Medium Priority**
3. Earthquakes	**Low-Medium Priority**
4. Flooding	**Highest Priority**
5. Invasive Species	**Lowest Priority**
6. Landslides and Land Subsidence	**Medium-High Priority**
7. Severe Summer Weather	**Medium-High Priority**
8. Severe Winter Weather	**Medium-High Priority**
9. Tornadoes	**Medium-High Priority**
10. Wildfire	**Medium Priority**

Q4

Please consider the following and provide any additional comments: Please consider how the hazards are grouped - Should any be made into separate categories or grouped differently? Are there any hazards not listed that you would like to see included in the 2025 Plan? Any additional comments.

Respondent skipped this question

Page 3: Survey Complete!

Q5

General Comments

Respondent skipped this question

#2

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Thursday, February 20, 2025 1:21:49 PM
Last Modified:	Thursday, February 20, 2025 1:51:07 PM
Time Spent:	00:29:18
IP Address:	174.196.64.180

Page 1: Survey Description

Q1

Contact Information

Name	**Darren LeBrun**
Organization/Agency	**Scioto County**
Title/Position	**Engineer**
Email Address	**darren.lebrun@sciotocountyengineer.org**

Q2

For which community are you representing?If your community is not listed in the dropdown menu, please select Other. It will bring you to Scioto County's actions)

Scioto County

Page 2: Mitigation Actions: Scioto County

Q3

Adopt higher flood standards than NFIP minimums due to historical flood events and to reduce future damages

Ongoing

Q4

Adopt higher flood standards than NFIP minimums due to historical flood events and to reduce future damages (Flooding)

Cost Effective	**1**
Technically Feasible	**4**
Environmentally Sound	**3**
Immediate Need	**1**
Risk Reduction	**4**

Q5 **Ongoing**

Conduct a hydrologic and hydraulic (H&H) study of Scioto County (Flooding)

Q6

Conduct a hydrologic and hydraulic (H&H) study of Scioto County (Flooding)

Cost Effective	**4**
Technically Feasible	**4**
Environmentally Sound	**4**
Immediate Need	**2**
Risk Reduction	**4**

Q7 **Ongoing**

Reduce erosion of streams. (Flooding)

Q8

Reduce erosion of streams. (Flooding)

Cost Effective	**2**
Technically Feasible	**4**
Environmentally Sound	**4**
Immediate Need	**4**
Risk Reduction	**5**

Q9 **Ongoing**

Identify/resolve potential landslide locations (Landslides and Land Subsidence)

Q10

Identify/resolve potential landslide locations (Landslides and Land Subsidence)

Cost Effective	**3**
Technically Feasible	**4**
Environmentally Sound	**4**
Immediate Need	**3**
Risk Reduction	**4**

Q11 **Ongoing**

Anchor mobile homes and propane tanks (Multiple Hazards)

Q12

Anchor mobile homes and propane tanks (Multiple Hazards)

Cost Effective	**2**
Technically Feasible	**3**
Environmentally Sound	**3**
Immediate Need	**2**
Risk Reduction	**2**

Q13 **Ongoing**

Construct Safe Rooms - Community (Multiple Hazards)

Q14

Construct Safe Rooms - Community (Multiple Hazards)

Cost Effective	**2**
Technically Feasible	**4**
Environmentally Sound	**4**
Immediate Need	**2**
Risk Reduction	**4**

Q15 **Ongoing**

Construct Safe Rooms - Residential (Multiple Hazards)

Q16

Construct Safe Rooms - Residential (Multiple Hazards)

Cost Effective	**1**
Technically Feasible	**3**
Environmentally Sound	**3**
Immediate Need	**2**
Risk Reduction	**4**

Q17 **Ongoing**

Create rental housing inspection and permit program (Multiple Hazards)

Q18

Create rental housing inspection and permit program (Multiple Hazards)

Cost Effective	**3**
Technically Feasible	**3**
Environmentally Sound	**3**
Immediate Need	**5**
Risk Reduction	**5**

Q19 **Ongoing**

Develop and implement an all-hazards public education program (Multiple Hazards)

Q20

Develop and implement an all-hazards public education program (Multiple Hazards)

Cost Effective	**1**
Technically Feasible	**4**
Environmentally Sound	**4**
Immediate Need	**1**
Risk Reduction	**2**

Q21 **Ongoing**

Encourage jurisdictions to establish zones/building codes to control landuse in at-risk areas (Multiple Hazards)

Q22

Encourage jurisdictions to establish zones/building codes to control landuse in at-risk areas (Multiple Hazards)

Cost Effective	**4**
Technically Feasible	**4**
Environmentally Sound	**4**
Immediate Need	**4**
Risk Reduction	**5**

Q23 **Ongoing**

Enhance public warning systems. (Multiple Hazards)

Q24

Enhance public warning systems. (Multiple Hazards)

Cost Effective	**3**
Technically Feasible	**3**
Environmentally Sound	**4**
Immediate Need	**2**
Risk Reduction	**3**

Q25 **Ongoing**

Establish community shelters (Multiple Hazards)

Q26

Establish community shelters (Multiple Hazards)

Cost Effective	**1**
Technically Feasible	**3**
Environmentally Sound	**3**
Immediate Need	**2**
Risk Reduction	**3**

Q27 **Ongoing**

Install generators at critical facilities (Multiple Hazards)

Q28

Install generators at critical facilities (Multiple Hazards)

Cost Effective	**4**
Technically Feasible	**4**
Environmentally Sound	**4**
Immediate Need	**4**
Risk Reduction	**5**

Q29 **Ongoing**

Increase rural broadband coverage (Multiple Hazards)

Q30

Increase rural broadband coverage (Multiple Hazards)

Cost Effective	**1**
Technically Feasible	**4**
Environmentally Sound	**3**
Immediate Need	**5**
Risk Reduction	**4**

Q31 **Ongoing**

Mitigate structures in flood-prone areas (Multiple Hazards)

Q32

Mitigate structures in flood-prone areas (Multiple Hazards)

Cost Effective	**1**
Technically Feasible	**4**
Environmentally Sound	**4**
Immediate Need	**2**
Risk Reduction	**3**

Q33 **Ongoing**

Purchase stock of PPE for first responders (Multiple Hazards)

Q34

Purchase stock of PPE for first responders (Multiple Hazards)

Cost Effective	**4**
Technically Feasible	**5**
Environmentally Sound	**4**
Immediate Need	**3**
Risk Reduction	**4**

Q35 **Ongoing**

Rehabilitate dams known to be of high hazard (Multiple Hazards)

Q36

Rehabilitate dams known to be of high hazard (Multiple Hazards)

Cost Effective	**2**
Technically Feasible	**4**
Environmentally Sound	**4**
Immediate Need	**3**
Risk Reduction	**3**

Q37 **Ongoing**

Remove debris in streams (Multiple Hazards)

Q38

Remove debris in streams (Multiple Hazards)

Cost Effective	**2**
Technically Feasible	**5**
Environmentally Sound	**2**
Immediate Need	**3**
Risk Reduction	**4**

Q39 **Ongoing**

Update dam Emergency Action Plans; update inundation data for dams without EAPs or no current inundation data (Multiple Hazards)

Q40

Update dam Emergency Action Plans; update inundation data for dams without EAPs or no current inundation data (Multiple Hazards)

Cost Effective	**1**
Technically Feasible	**4**
Environmentally Sound	**3**
Immediate Need	**2**
Risk Reduction	**2**

Q41	Ongoing
Upgrade undersized/establish storm water drainage systems (Multiple Hazards)	

Q42

Upgrade undersized/establish storm water drainage systems (Multiple Hazards)

Cost Effective	**2**
Technically Feasible	**4**
Environmentally Sound	**4**
Immediate Need	**4**
Risk Reduction	**4**

Page 9: Required Actions: All Jurisdictions

Q139

Required New Action: Work with all jurisdictions on filling in gaps and strengthening capabilities in enacting mitigation strategies.

Cost Effective	**3**
Technically Feasible	**4**
Environmentally Sound	**4**
Immediate Need	**4**
Risk Reduction	**4**

Q140

Required New Action: Ensure all eligible jurisdictions are participating in the NFIP.

Cost Effective	**1**
Technically Feasible	**4**
Environmentally Sound	**4**
Immediate Need	**5**
Risk Reduction	**3**

Q141

Required New Action: Ensure all high-hazard potential dams have updated Emergency Action Plans (EAPs) in place.

Cost Effective	**1**
Technically Feasible	**4**
Environmentally Sound	**4**
Immediate Need	**2**
Risk Reduction	**3**

Q142

Required New Action: Obtain or create inundation maps for all dams.

Cost Effective	**1**
Technically Feasible	**4**
Environmentally Sound	**3**
Immediate Need	**2**
Risk Reduction	**2**

Q143

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Cost Effective	**3**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**5**
Risk Reduction	**5**
Other (please specify):	Flooding - identify flood prone roadways and upgrade storm water infrastructure and/or raise the roadway to lower the probability of flooding

Page 10: New Actions

Q144

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Cost Effective	**2**
Technically Feasible	**5**
Environmentally Sound	**4**
Immediate Need	**4**
Risk Reduction	**4**
Other (please specify):	Landslides - identify roadway landslide areas and upgrade roadway base and/or construct retaining walls

Q145

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Cost Effective	**3**
Technically Feasible	**5**
Environmentally Sound	**4**
Immediate Need	**3**
Risk Reduction	**5**
Other (please specify):	Earthquake - ensure any zoning includes adequate design requirements for new construction.

Q146

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Cost Effective	**3**
Technically Feasible	**4**
Environmentally Sound	**4**
Immediate Need	**4**
Risk Reduction	**4**
Other (please specify):	Drought and extreme temperatures - upgrade electrical infrastructure to enhance the electric grid to better handle peak electricity consumption

Q147

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Cost Effective	**4**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**5**
Risk Reduction	**5**
Other (please specify):	Flooding - produce a plan to identify the specific upgrades that are needed for the new boston/portsmouth floodwall and establish a budget for the plan.

Q148

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Cost Effective	**2**
Technically Feasible	**4**
Environmentally Sound	**4**
Immediate Need	**2**
Risk Reduction	**2**
Other (please specify):	Invasive species - identify the specific species that affect scioto county and the chemical needed to eliminate them.

Q149

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Cost Effective	**5**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**4**
Risk Reduction	**5**
Other (please specify):	Severe summer weather - encourage residents to sign up for code red in order to be alerted to legitimate severe weather

Q150

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Cost Effective	**5**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**4**
Risk Reduction	**5**
Other (please specify):	Severe winter weather - encourage residents to sign up for code red in order to be alerted to legitimate severe weather

Q151

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q152

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q153

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q154

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q155

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q156

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q157

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q158

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

#5

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Friday, February 21, 2025 6:25:44 AM
Last Modified:	Friday, February 21, 2025 7:14:02 AM
Time Spent:	00:48:17
IP Address:	50.54.2.18

Page 1: Survey Description

Q1

Contact Information

Name	**Larry Mullins**
Organization/Agency	**Scioto County EMA**
Title/Position	**Director**
Email Address	**sciotoema@frontier.com**

Q2

For which community are you representing?If your community is not listed in the dropdown menu, please select Other. It will bring you to Scioto County's actions)

Scioto County

Page 2: Mitigation Actions: Scioto County

Q3

Adopt higher flood standards than NFIP minimums due to historical flood events and to reduce future damages

Ongoing

Q4

Adopt higher flood standards than NFIP minimums due to historical flood events and to reduce future damages (Flooding)

Cost Effective	**5**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**5**
Risk Reduction	**5**

Q5 **Ongoing**

Conduct a hydrologic and hydraulic (H&H) study of Scioto County (Flooding)

Q6

Conduct a hydrologic and hydraulic (H&H) study of Scioto County (Flooding)

Cost Effective	**5**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**5**
Risk Reduction	**5**

Q7 **Ongoing**

Reduce erosion of streams. (Flooding)

Q8

Reduce erosion of streams. (Flooding)

Cost Effective	**3**
Technically Feasible	**4**
Environmentally Sound	**5**
Immediate Need	**5**
Risk Reduction	**5**

Q9 **Ongoing**

Identify/resolve potential landslide locations (Landslides and Land Subsidence)

Q10

Identify/resolve potential landslide locations (Landslides and Land Subsidence)

Cost Effective	**3**
Technically Feasible	**5**
Environmentally Sound	**4**
Immediate Need	**3**
Risk Reduction	**4**

Q11 **Ongoing**

Anchor mobile homes and propane tanks (Multiple Hazards)

Q12

Anchor mobile homes and propane tanks (Multiple Hazards)

Cost Effective	**3**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**4**
Risk Reduction	**4**

Q13 **Ongoing**

Construct Safe Rooms - Community (Multiple Hazards)

Q14

Construct Safe Rooms - Community (Multiple Hazards)

Cost Effective	**2**
Technically Feasible	**5**
Environmentally Sound	**3**
Immediate Need	**3**
Risk Reduction	**3**

Q15 **Ongoing**

Construct Safe Rooms - Residential (Multiple Hazards)

Q16

Construct Safe Rooms - Residential (Multiple Hazards)

Cost Effective	**3**
Technically Feasible	**4**
Environmentally Sound	**3**
Immediate Need	**3**
Risk Reduction	**3**

Q17 **Ongoing**

Create rental housing inspection and permit program (Multiple Hazards)

Q18

Create rental housing inspection and permit program (Multiple Hazards)

Cost Effective	**2**
Technically Feasible	**4**
Environmentally Sound	**3**
Immediate Need	**3**
Risk Reduction	**3**

Q19 **Ongoing**

Develop and implement an all-hazards public education program (Multiple Hazards)

Q20

Develop and implement an all-hazards public education program (Multiple Hazards)

Cost Effective	**4**
Technically Feasible	**4**
Environmentally Sound	**3**
Immediate Need	**4**
Risk Reduction	**4**

Q21 **Ongoing**

Encourage jurisdictions to establish zones/building codes to control landuse in at-risk areas (Multiple Hazards)

Q22

Encourage jurisdictions to establish zones/building codes to control landuse in at-risk areas (Multiple Hazards)

Cost Effective	**2**
Technically Feasible	**2**
Environmentally Sound	**4**
Immediate Need	**3**
Risk Reduction	**3**

Q23 **Ongoing**

Enhance public warning systems. (Multiple Hazards)

Q24

Enhance public warning systems. (Multiple Hazards)

Cost Effective	**5**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**5**
Risk Reduction	**5**

Q25 **Ongoing**

Establish community shelters (Multiple Hazards)

Q26

Establish community shelters (Multiple Hazards)

Cost Effective	**4**
Technically Feasible	**4**
Environmentally Sound	**4**
Immediate Need	**4**
Risk Reduction	**4**

Q27 **Ongoing**

Install generators at critical facilities (Multiple Hazards)

Q28

Install generators at critical facilities (Multiple Hazards)

Cost Effective	**5**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**5**
Risk Reduction	**5**

Q29 **Ongoing**

Increase rural broadband coverage (Multiple Hazards)

Q30

Increase rural broadband coverage (Multiple Hazards)

Cost Effective	**5**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**5**
Risk Reduction	**5**

Q31 **Ongoing**

Mitigate structures in flood-prone areas (Multiple Hazards)

Q32

Mitigate structures in flood-prone areas (Multiple Hazards)

Cost Effective	**5**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**5**
Risk Reduction	**5**

Q33 **Ongoing**

Purchase stock of PPE for first responders (Multiple Hazards)

Q34

Purchase stock of PPE for first responders (Multiple Hazards)

Cost Effective	**1**
Technically Feasible	**3**
Environmentally Sound	**3**
Immediate Need	**2**
Risk Reduction	**1**

Q35 **Ongoing**

Rehabilitate dams known to be of high hazard (Multiple Hazards)

Q36

Rehabilitate dams known to be of high hazard (Multiple Hazards)

Cost Effective	**3**
Technically Feasible	**3**
Environmentally Sound	**4**
Immediate Need	**2**
Risk Reduction	**3**

Q37 **Ongoing**

Remove debris in streams (Multiple Hazards)

Q38

Remove debris in streams (Multiple Hazards)

Cost Effective	**5**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**5**
Risk Reduction	**5**

Q39 **Ongoing**

Update dam Emergency Action Plans; update inundation data for dams without EAPs or no current inundation data (Multiple Hazards)

Q40

Update dam Emergency Action Plans; update inundation data for dams without EAPs or no current inundation data (Multiple Hazards)

Cost Effective	**4**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**4**
Risk Reduction	**4**

Q41	Ongoing
Upgrade undersized/establish storm water drainage systems (Multiple Hazards)	

Q42

Upgrade undersized/establish storm water drainage systems (Multiple Hazards)

Cost Effective	**5**
Technically Feasible	**5**
Environmentally Sound	**4**
Immediate Need	**3**
Risk Reduction	**4**

Page 9: Required Actions: All Jurisdictions

Q139

Required New Action: Work with all jurisdictions on filling in gaps and strengthening capabilities in enacting mitigation strategies.

Cost Effective	**5**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**5**
Risk Reduction	**5**

Q140

Required New Action: Ensure all eligible jurisdictions are participating in the NFIP.

Cost Effective	**5**
Technically Feasible	**3**
Environmentally Sound	**4**
Immediate Need	**5**
Risk Reduction	**5**

Q141

Required New Action: Ensure all high-hazard potential dams have updated Emergency Action Plans (EAPs) in place.

Cost Effective	**5**
Technically Feasible	**4**
Environmentally Sound	**5**
Immediate Need	**4**
Risk Reduction	**4**

Q142

Required New Action: Obtain or create inundation maps for all dams.

Cost Effective	**5**
Technically Feasible	**5**
Environmentally Sound	**4**
Immediate Need	**4**
Risk Reduction	**4**

Q143

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Cost Effective	**3**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**5**
Risk Reduction	**5**
Other (please specify):	Back up all flood pumping stations in Portsmouth and New Boston with generators.

Page 10: New Actions

Q144

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Cost Effective	**3**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**4**
Risk Reduction	**4**
Other (please specify):	Build a levy or retention pond to protect against flooding in the Village of Rarden.

Q145

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Cost Effective	**3**
Technically Feasible	**5**
Environmentally Sound	**4**
Immediate Need	**5**
Risk Reduction	**5**
Other (please specify):	Install tornado warning sirens throughout the county.

Q146

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Cost Effective	**3**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**5**
Risk Reduction	**5**
Other (please specify):	Create a mitigation buy out zone in the Village of New Boston to purchase homes in the flood way and create green space to reduce reoccurring flood damage caused by Munn's Run.

Q147

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Cost Effective	**5**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**5**
Risk Reduction	**5**
Other (please specify):	Devlop a public education campaign to promote citizens to take part in the National Flood Insurance program.

Q148

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Cost Effective	**5**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**5**
Risk Reduction	**5**
Other (please specify):	Meet with insurance companies to convince them to offer flood insurance to anyone that requests it, even if the homeowner is located in a floodplain.

Q149

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Cost Effective	**5**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**5**
Risk Reduction	**5**
Other (please specify):	Cooperate with soil and water experts on nature-based ways to reduce flooding for land and home owners.

Q150

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Cost Effective	**5**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**5**
Risk Reduction	**5**
Other (please specify):	Develop county-wide building codes to limit or prevent building in flood prone areas.

Q151

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Cost Effective	**4**
Technically Feasible	**4**
Environmentally Sound	**5**
Immediate Need	**5**
Risk Reduction	**5**
Other (please specify):	Improve the sewer system in the City of Portsmouth and the Village of New Boston to seperate storm water and sewage.

Q152

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Cost Effective	**5**
Technically Feasible	**4**
Environmentally Sound	**5**
Immediate Need	**4**
Risk Reduction	**4**
Other (please specify):	Establish a surtax on logging companies to help fund flood mitiagtion actions such as clean streams of debris, replacing culverts, etc.

Q153

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Cost Effective	**5**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**3**
Risk Reduction	**3**
Other (please specify):	Establish a public education campaign to increase awarness of flood risks and safety.

Q154

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Cost Effective	**5**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**5**
Risk Reduction	**5**
Other (please specify):	Promote more collabration between juridications and agencies to work together on mitigation projects instead of operating in a silo. (Especially involve Emergency Management in your planning and projects).

Q155

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q156

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q157

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q158

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

#8

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Friday, February 21, 2025 11:26:09 AM
Last Modified:	Friday, February 21, 2025 11:36:54 AM
Time Spent:	00:10:45
IP Address:	66.33.52.78

Page 1: Survey Description

Q1

Contact Information

Name	**BARBARA ANN SETSER**
Organization/Agency	**Access Scioto County Public Transit**
Title/Position	**Transit Coordinator**
Email Address	**bsetser@sciotocounty.net**

Q2

For which community are you representing?If your community is not listed in the dropdown menu, please select Other. It will bring you to Scioto County's actions)

Scioto County

Page 2: Mitigation Actions: Scioto County

Q3

Adopt higher flood standards than NFIP minimums due to historical flood events and to reduce future damages

Ongoing

Q4

Adopt higher flood standards than NFIP minimums due to historical flood events and to reduce future damages (Flooding)

Cost Effective	**4**
Technically Feasible	**4**
Environmentally Sound	**5**
Immediate Need	**4**
Risk Reduction	**5**

Q5 **Ongoing**

Conduct a hydrologic and hydraulic (H&H) study of Scioto County (Flooding)

Q6

Conduct a hydrologic and hydraulic (H&H) study of Scioto County (Flooding)

Cost Effective	**4**
Technically Feasible	**4**
Environmentally Sound	**4**
Immediate Need	**3**
Risk Reduction	**4**

Q7 **Ongoing**

Reduce erosion of streams. (Flooding)

Q8

Reduce erosion of streams. (Flooding)

Cost Effective	**5**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**5**
Risk Reduction	**5**

Q9 **Ongoing**

Identify/resolve potential landslide locations (Landslides and Land Subsidence)

Q10

Identify/resolve potential landslide locations (Landslides and Land Subsidence)

Cost Effective	**5**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**5**
Risk Reduction	**5**

Q11 Anchor mobile homes and propane tanks (Multiple Hazards)	**Deleted**
Q12 Anchor mobile homes and propane tanks (Multiple Hazards)	**Respondent skipped this question**
Q13 Construct Safe Rooms - Community (Multiple Hazards)	**Deleted**
Q14 Construct Safe Rooms - Community (Multiple Hazards)	**Respondent skipped this question**
Q15 Construct Safe Rooms - Residential (Multiple Hazards)	**Deleted**
Q16 Construct Safe Rooms - Residential (Multiple Hazards)	**Respondent skipped this question**
Q17 Create rental housing inspection and permit program (Multiple Hazards)	**Deleted**
Q18 Create rental housing inspection and permit program (Multiple Hazards)	**Respondent skipped this question**
Q19 Develop and implement an all-hazards public education program (Multiple Hazards)	**Ongoing**

Q20

Develop and implement an all-hazards public education program (Multiple Hazards)

Cost Effective	**3**
Technically Feasible	**3**
Environmentally Sound	**3**
Immediate Need	**3**
Risk Reduction	**3**

Q21 **Ongoing**

Encourage jurisdictions to establish zones/building codes to control landuse in at-risk areas (Multiple Hazards)

Q22

Encourage jurisdictions to establish zones/building codes to control landuse in at-risk areas (Multiple Hazards)

Cost Effective	**4**
Technically Feasible	**4**
Environmentally Sound	**3**
Immediate Need	**3**
Risk Reduction	**4**

Q23 **Ongoing**

Enhance public warning systems. (Multiple Hazards)

Q24

Enhance public warning systems. (Multiple Hazards)

Cost Effective	**5**
Technically Feasible	**5**
Environmentally Sound	**4**
Immediate Need	**4**
Risk Reduction	**5**

Q25 **Ongoing**

Establish community shelters (Multiple Hazards)

Q26

Establish community shelters (Multiple Hazards)

Cost Effective	**4**
Technically Feasible	**4**
Environmentally Sound	**3**
Immediate Need	**4**
Risk Reduction	**4**

Q27 **Deleted**

Install generators at critical facilities (Multiple Hazards)

Q28 **Respondent skipped this question**

Install generators at critical facilities (Multiple Hazards)

Q29 **Ongoing**

Increase rural broadband coverage (Multiple Hazards)

Q30

Increase rural broadband coverage (Multiple Hazards)

Cost Effective	**5**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**5**
Risk Reduction	**5**

Q31 **Ongoing**

Mitigate structures in flood-prone areas (Multiple Hazards)

Q32

Mitigate structures in flood-prone areas (Multiple Hazards)

Cost Effective	**4**
Technically Feasible	**4**
Environmentally Sound	**4**
Immediate Need	**3**
Risk Reduction	**4**

Q33 **Ongoing**

Purchase stock of PPE for first responders (Multiple Hazards)

Q34

Purchase stock of PPE for first responders (Multiple Hazards)

Cost Effective	**4**
Technically Feasible	**4**
Environmentally Sound	**4**
Immediate Need	**5**
Risk Reduction	**4**

Q35 **Deleted**

Rehabilitate dams known to be of high hazard (Multiple Hazards)

Q36 **Respondent skipped this question**

Rehabilitate dams known to be of high hazard (Multiple Hazards)

Q37 **Ongoing**

Remove debris in streams (Multiple Hazards)

Q38

Remove debris in streams (Multiple Hazards)

Cost Effective	**5**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**5**
Risk Reduction	**5**

Q39

Update dam Emergency Action Plans; update inundation data for dams without EAPs or no current inundation data (Multiple Hazards)

Deleted

Q40

Update dam Emergency Action Plans; update inundation data for dams without EAPs or no current inundation data (Multiple Hazards)

Respondent skipped this question

Q41

Upgrade undersized/establish storm water drainage systems (Multiple Hazards)

Ongoing

Q42

Upgrade undersized/establish storm water drainage systems (Multiple Hazards)

Cost Effective	**5**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**5**
Risk Reduction	**5**

Page 9: Required Actions: All Jurisdictions

Q139

Required New Action: Work with all jurisdictions on filling in gaps and strengthening capabilities in enacting mitigation strategies.

Cost Effective	**3**
Technically Feasible	**3**
Environmentally Sound	**3**
Immediate Need	**3**
Risk Reduction	**3**

Q140

Required New Action: Ensure all eligible jurisdictions are participating in the NFIP.

Cost Effective	**3**
Technically Feasible	**3**
Environmentally Sound	**3**
Immediate Need	**3**
Risk Reduction	**3**

Q141

Required New Action: Ensure all high-hazard potential dams have updated Emergency Action Plans (EAPs) in place.

Cost Effective	**2**
Technically Feasible	**2**
Environmentally Sound	**2**
Immediate Need	**2**
Risk Reduction	**2**

Q142

Required New Action: Obtain or create inundation maps for all dams.

Cost Effective	**2**
Technically Feasible	**2**
Environmentally Sound	**2**
Immediate Need	**2**
Risk Reduction	**2**

Q143

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Page 10: New Actions

Q144

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q145

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q146

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q147

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q148

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q149

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q150

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q151

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q152

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q153

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q154

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q155

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q156

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q157

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q158

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

#10

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Saturday, February 22, 2025 7:55:46 PM
Last Modified:	Saturday, February 22, 2025 8:13:11 PM
Time Spent:	00:17:25
IP Address:	107.121.104.14

Page 1: Survey Description

Q1

Contact Information

Name	**Chris Kemper**
Organization/Agency	**Scioto ARES**
Title/Position	**Emergency Coordinatr**
Email Address	**ckemper45@gmail.com**

Q2

For which community are you representing?If your community is not listed in the dropdown menu, please select Other. It will bring you to Scioto County's actions)

Scioto County

Page 2: Mitigation Actions: Scioto County

Q3

Adopt higher flood standards than NFIP minimums due to historical flood events and to reduce future damages

Ongoing

Q4

Adopt higher flood standards than NFIP minimums due to historical flood events and to reduce future damages (Flooding)

Cost Effective	**3**
Technically Feasible	**2**
Environmentally Sound	**3**
Immediate Need	**5**
Risk Reduction	**4**

Q5 **Ongoing**

Conduct a hydrologic and hydraulic (H&H) study of Scioto County (Flooding)

Q6

Conduct a hydrologic and hydraulic (H&H) study of Scioto County (Flooding)

Cost Effective	**4**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**3**
Risk Reduction	**3**

Q7 **Ongoing**

Reduce erosion of streams. (Flooding)

Q8

Reduce erosion of streams. (Flooding)

Cost Effective	**2**
Technically Feasible	**2**
Environmentally Sound	**3**
Immediate Need	**3**
Risk Reduction	**4**

Q9 **Ongoing**

Identify/resolve potential landslide locations (Landslides and Land Subsidence)

Q10

Identify/resolve potential landslide locations (Landslides and Land Subsidence)

Cost Effective	**2**
Technically Feasible	**2**
Environmentally Sound	**4**
Immediate Need	**2**
Risk Reduction	**2**

Q11 **Ongoing**

Anchor mobile homes and propane tanks (Multiple Hazards)

Q12

Anchor mobile homes and propane tanks (Multiple Hazards)

Cost Effective	**4**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**4**
Risk Reduction	**5**

Q13 **Ongoing**

Construct Safe Rooms - Community (Multiple Hazards)

Q14

Construct Safe Rooms - Community (Multiple Hazards)

Cost Effective	**2**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**2**
Risk Reduction	**5**

Q15 **Ongoing**

Construct Safe Rooms - Residential (Multiple Hazards)

Q16

Construct Safe Rooms - Residential (Multiple Hazards)

Cost Effective	**2**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**1**
Risk Reduction	**1**

Q17 **Ongoing**

Create rental housing inspection and permit program (Multiple Hazards)

Q18

Create rental housing inspection and permit program (Multiple Hazards)

Cost Effective	**2**
Technically Feasible	**4**
Environmentally Sound	**4**
Immediate Need	**2**
Risk Reduction	**1**

Q19 **Ongoing**

Develop and implement an all-hazards public education program (Multiple Hazards)

Q20

Develop and implement an all-hazards public education program (Multiple Hazards)

Cost Effective	**5**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**3**
Risk Reduction	**3**

Q21 **Ongoing**

Encourage jurisdictions to establish zones/building codes to control landuse in at-risk areas (Multiple Hazards)

Q22

Encourage jurisdictions to establish zones/building codes to control landuse in at-risk areas (Multiple Hazards)

Cost Effective	**4**
Technically Feasible	**3**
Environmentally Sound	**4**
Immediate Need	**2**
Risk Reduction	**2**

Q23 **Ongoing**

Enhance public warning systems. (Multiple Hazards)

Q24

Enhance public warning systems. (Multiple Hazards)

Cost Effective	**5**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**5**
Risk Reduction	**5**

Q25 **Ongoing**

Establish community shelters (Multiple Hazards)

Q26

Establish community shelters (Multiple Hazards)

Cost Effective	**2**
Technically Feasible	**3**
Environmentally Sound	**5**
Immediate Need	**1**
Risk Reduction	**1**

Q27 **Ongoing**

Install generators at critical facilities (Multiple Hazards)

Q28

Install generators at critical facilities (Multiple Hazards)

Cost Effective	**3**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**5**
Risk Reduction	**5**

Q29 **Ongoing**

Increase rural broadband coverage (Multiple Hazards)

Q30

Increase rural broadband coverage (Multiple Hazards)

Cost Effective	**3**
Technically Feasible	**3**
Environmentally Sound	**5**
Immediate Need	**5**
Risk Reduction	**5**

Q31 **Ongoing**

Mitigate structures in flood-prone areas (Multiple Hazards)

Q32

Mitigate structures in flood-prone areas (Multiple Hazards)

Cost Effective	**1**
Technically Feasible	**2**
Environmentally Sound	**4**
Immediate Need	**4**
Risk Reduction	**4**

Q33 **Ongoing**

Purchase stock of PPE for first responders (Multiple Hazards)

Q34

Purchase stock of PPE for first responders (Multiple Hazards)

Cost Effective	**3**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**5**
Risk Reduction	**5**

Q35 **Ongoing**

Rehabilitate dams known to be of high hazard (Multiple Hazards)

Q36

Rehabilitate dams known to be of high hazard (Multiple Hazards)

Cost Effective	**1**
Technically Feasible	**2**
Environmentally Sound	**2**
Immediate Need	**2**
Risk Reduction	**2**

Q37 **Ongoing**

Remove debris in streams (Multiple Hazards)

Q38

Remove debris in streams (Multiple Hazards)

Cost Effective	**4**
Technically Feasible	**3**
Environmentally Sound	**5**
Immediate Need	**3**
Risk Reduction	**4**

Q39 **Ongoing**

Update dam Emergency Action Plans; update inundation data for dams without EAPs or no current inundation data (Multiple Hazards)

Q40

Update dam Emergency Action Plans; update inundation data for dams without EAPs or no current inundation data (Multiple Hazards)

Cost Effective	**4**
Technically Feasible	**4**
Environmentally Sound	**4**
Immediate Need	**3**
Risk Reduction	**3**

Q41	Ongoing
Upgrade undersized/establish storm water drainage systems (Multiple Hazards)	

Q42

Upgrade undersized/establish storm water drainage systems (Multiple Hazards)

Cost Effective	**3**
Technically Feasible	**3**
Environmentally Sound	**5**
Immediate Need	**5**
Risk Reduction	**4**

Page 9: Required Actions: All Jurisdictions

Q139

Required New Action: Work with all jurisdictions on filling in gaps and strengthening capabilities in enacting mitigation strategies.

Cost Effective	**2**
Technically Feasible	**2**
Environmentally Sound	**4**
Immediate Need	**4**
Risk Reduction	**4**

Q140

Required New Action: Ensure all eligible jurisdictions are participating in the NFIP.

Cost Effective	**1**
Technically Feasible	**1**
Environmentally Sound	**4**
Immediate Need	**2**
Risk Reduction	**2**

Q141

Required New Action: Ensure all high-hazard potential dams have updated Emergency Action Plans (EAPs) in place.

Cost Effective	**2**
Technically Feasible	**4**
Environmentally Sound	**4**
Immediate Need	**2**
Risk Reduction	**2**

Q142

Required New Action: Obtain or create inundation maps for all dams.

Cost Effective	**3**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**2**
Risk Reduction	**2**

Q143

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Cost Effective	**2**
Technically Feasible	**2**
Environmentally Sound	**5**
Immediate Need	**5**
Risk Reduction	**5**
Other (please specify):	Update and increase capacity of city sewers to prevent backwater flooding of residences.

Page 10: New Actions

Q144

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q145

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q146

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q147

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q148

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q149

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q150

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q151

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q152

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q153

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q154

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q155

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q156

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q157

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q158

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

#11

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Thursday, February 27, 2025 11:33:22 AM
Last Modified:	Thursday, February 27, 2025 11:49:55 AM
Time Spent:	00:16:33
IP Address:	50.54.2.18

Page 1: Survey Description

Q1

Contact Information

Name	**Bill Lynn**
Organization/Agency	**A\Scioto County EMA**
Title/Position	**Deputy Director**
Email Address	**sciotoema@yahoo.com**

Q2

For which community are you representing?If your community is not listed in the dropdown menu, please select Other. It will bring you to Scioto County's actions)

Other (please specify):
Scioto County

Page 2: Mitigation Actions: Scioto County

Q3

Adopt higher flood standards than NFIP minimums due to historical flood events and to reduce future damages

Ongoing

Q4

Adopt higher flood standards than NFIP minimums due to historical flood events and to reduce future damages (Flooding)

Cost Effective	**4**
Technically Feasible	**3**
Environmentally Sound	**4**
Immediate Need	**5**
Risk Reduction	**5**

Q5 **Ongoing**

Conduct a hydrologic and hydraulic (H&H) study of Scioto County (Flooding)

Q6

Conduct a hydrologic and hydraulic (H&H) study of Scioto County (Flooding)

Cost Effective	**3**
Technically Feasible	**2**
Environmentally Sound	**5**
Immediate Need	**5**
Risk Reduction	**5**

Q7 **Ongoing**

Reduce erosion of streams. (Flooding)

Q8

Reduce erosion of streams. (Flooding)

Cost Effective	**3**
Technically Feasible	**2**
Environmentally Sound	**3**
Immediate Need	**4**
Risk Reduction	**4**

Q9 **Ongoing**

Identify/resolve potential landslide locations (Landslides and Land Subsidence)

Q10

Identify/resolve potential landslide locations (Landslides and Land Subsidence)

Cost Effective	**3**
Technically Feasible	**3**
Environmentally Sound	**4**
Immediate Need	**3**
Risk Reduction	**3**

Q11 **Ongoing**

Anchor mobile homes and propane tanks (Multiple Hazards)

Q12

Anchor mobile homes and propane tanks (Multiple Hazards)

Cost Effective	**4**
Technically Feasible	**4**
Environmentally Sound	**4**
Immediate Need	**5**
Risk Reduction	**5**

Q13 **Ongoing**

Construct Safe Rooms - Community (Multiple Hazards)

Q14

Construct Safe Rooms - Community (Multiple Hazards)

Cost Effective	**2**
Technically Feasible	**1**
Environmentally Sound	**3**
Immediate Need	**4**
Risk Reduction	**4**

Q15 **Ongoing**

Construct Safe Rooms - Residential (Multiple Hazards)

Q16

Construct Safe Rooms - Residential (Multiple Hazards)

Cost Effective	**2**
Technically Feasible	**1**
Environmentally Sound	**3**
Immediate Need	**4**
Risk Reduction	**4**

Q17 **Ongoing**

Create rental housing inspection and permit program (Multiple Hazards)

Q18

Create rental housing inspection and permit program (Multiple Hazards)

Cost Effective	**3**
Technically Feasible	**3**
Environmentally Sound	**3**
Immediate Need	**2**
Risk Reduction	**3**

Q19 **Ongoing**

Develop and implement an all-hazards public education program (Multiple Hazards)

Q20

Develop and implement an all-hazards public education program (Multiple Hazards)

Cost Effective	**2**
Technically Feasible	**2**
Environmentally Sound	**3**
Immediate Need	**1**
Risk Reduction	**2**

Q21 **Ongoing**

Encourage jurisdictions to establish zones/building codes to control landuse in at-risk areas (Multiple Hazards)

Q22

Encourage jurisdictions to establish zones/building codes to control landuse in at-risk areas (Multiple Hazards)

Cost Effective	**3**
Technically Feasible	**3**
Environmentally Sound	**3**
Immediate Need	**3**
Risk Reduction	**3**

Q23 **Ongoing**

Enhance public warning systems. (Multiple Hazards)

Q24

Enhance public warning systems. (Multiple Hazards)

Cost Effective	**3**
Technically Feasible	**2**
Environmentally Sound	**4**
Immediate Need	**5**
Risk Reduction	**4**

Q25 **Ongoing**

Establish community shelters (Multiple Hazards)

Q26

Establish community shelters (Multiple Hazards)

Cost Effective	**2**
Technically Feasible	**1**
Environmentally Sound	**3**
Immediate Need	**4**
Risk Reduction	**4**

Q27 **Ongoing**

Install generators at critical facilities (Multiple Hazards)

Q28

Install generators at critical facilities (Multiple Hazards)

Cost Effective	**2**
Technically Feasible	**1**
Environmentally Sound	**3**
Immediate Need	**5**
Risk Reduction	**5**

Q29 **Ongoing**

Increase rural broadband coverage (Multiple Hazards)

Q30

Increase rural broadband coverage (Multiple Hazards)

Cost Effective	**2**
Technically Feasible	**1**
Environmentally Sound	**3**
Immediate Need	**5**
Risk Reduction	**5**

Q31 **Ongoing**

Mitigate structures in flood-prone areas (Multiple Hazards)

Q32

Mitigate structures in flood-prone areas (Multiple Hazards)

Cost Effective	**2**
Technically Feasible	**1**
Environmentally Sound	**2**
Immediate Need	**5**
Risk Reduction	**5**

Q33 **Ongoing**

Purchase stock of PPE for first responders (Multiple Hazards)

Q34

Purchase stock of PPE for first responders (Multiple Hazards)

Cost Effective	**2**
Technically Feasible	**2**
Environmentally Sound	**5**
Immediate Need	**2**
Risk Reduction	**1**

Q35 **Ongoing**

Rehabilitate dams known to be of high hazard (Multiple Hazards)

Q36

Rehabilitate dams known to be of high hazard (Multiple Hazards)

Cost Effective	**3**
Technically Feasible	**1**
Environmentally Sound	**3**
Immediate Need	**5**
Risk Reduction	**4**

Q37 **Ongoing**

Remove debris in streams (Multiple Hazards)

Q38

Remove debris in streams (Multiple Hazards)

Cost Effective	**3**
Technically Feasible	**3**
Environmentally Sound	**3**
Immediate Need	**4**
Risk Reduction	**3**

Q39 **Ongoing**

Update dam Emergency Action Plans; update inundation data for dams without EAPs or no current inundation data (Multiple Hazards)

Q40

Update dam Emergency Action Plans; update inundation data for dams without EAPs or no current inundation data (Multiple Hazards)

Cost Effective	**3**
Technically Feasible	**2**
Environmentally Sound	**4**
Immediate Need	**2**
Risk Reduction	**3**

Q41	Ongoing
Upgrade undersized/establish storm water drainage systems (Multiple Hazards)	

Q42

Upgrade undersized/establish storm water drainage systems (Multiple Hazards)

Cost Effective	**2**
Technically Feasible	**2**
Environmentally Sound	**3**
Immediate Need	**4**
Risk Reduction	**4**

Page 9: Required Actions: All Jurisdictions

Q139

Required New Action: Work with all jurisdictions on filling in gaps and strengthening capabilities in enacting mitigation strategies.

Cost Effective	**3**
Technically Feasible	**3**
Environmentally Sound	**4**
Immediate Need	**5**
Risk Reduction	**4**

Q140

Required New Action: Ensure all eligible jurisdictions are participating in the NFIP.

Cost Effective	**4**
Technically Feasible	**4**
Environmentally Sound	**4**
Immediate Need	**4**
Risk Reduction	**4**

Q141

Required New Action: Ensure all high-hazard potential dams have updated Emergency Action Plans (EAPs) in place.

Cost Effective	**3**
Technically Feasible	**2**
Environmentally Sound	**3**
Immediate Need	**3**
Risk Reduction	**3**

Q142

Required New Action: Obtain or create inundation maps for all dams.

Cost Effective	**3**
Technically Feasible	**2**
Environmentally Sound	**3**
Immediate Need	**3**
Risk Reduction	**3**

Q143

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Page 10: New Actions

Q144

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q145

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q146

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q147

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q148

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q149

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q150

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q151

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q152

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q153

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q154

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q155

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q156

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q157

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q158

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

#3

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Wednesday, January 08, 2025 10:47:07 AM
Last Modified:	Wednesday, January 08, 2025 11:35:25 AM
Time Spent:	00:48:17
IP Address:	50.54.2.18

Page 1: Survey Instructions

Q1

Name and Organization

Name	**Larry Mullins**
Organization/Agency	**Scioto EMA**
Title/Position	**Director**
Email Address	**sciotoema@frontier.com**

Q2

Scioto County

For which community are you responding?

Page 2: Integration Survey

Q3

How have you integrated the 2020 HMP into the Emergency Operations Plan?

The 2020 Hazard Mitigation Plan was not integrated into the EOP. Both are treated as separate plans.

Q4

How have you integrated the 2020 HMP into the Comprehensive Plan?

We do not have a comprehensive plan

Q5

How have you integrated the 2020 HMP into the Capital Improvement Plan?

We do not have a

Q6

How have you integrated the 2020 HMP into the Building Code?

There is no building code for the county. To my knowledge the Hazard Mitigation Plan was not integrated into the City's Building Codes.

Q7

How have you integrated the 2020 HMP into the Zoning Ordinances?

The is no zoning ordinance for the county. To my knowledge the Hazard Mitigation Plan was not integrated into the city's Zoning Ordinances.

Q8

How have you integrated the 2020 HMP into the Capital Improvement Program?

The county does not have a Capital Improvement Program. I'm not sure if the city does or not. If so, the 2020 HMP was not integrated into it.

Q9

How have you integrated the 2020 HMP into the Stormwater Management Plans?

The county doe not have a Stormwater Management Plan. I'm not sure if the city does or not. If so, the 2020 HMP was not integrated into it.

Q10

How have you integrated the 2020 HMP into any other plans? If so, how.

To my knowelege the 2020 HMP has not been integrated into any other county or city plans.

Page 3: Survey Complete!

Q11

General Comments

None

#4

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Monday, January 13, 2025 9:37:03 AM
Last Modified:	Monday, January 13, 2025 9:38:11 AM
Time Spent:	00:01:08
IP Address:	74.135.56.242

Page 1: Survey Instructions

Q1

Name and Organization

Name	**Darren LeBrun**
Organization/Agency	**County Engineer**
Title/Position	**County Engineer**
Email Address	**darren.lebrun@sciotocountyengineer.org**

Q2

For which community are you responding?

Scioto County

Page 2: Integration Survey

Q3

How have you integrated the 2020 HMP into the Emergency Operations Plan?

I am not aware

Q4

How have you integrated the 2020 HMP into the Comprehensive Plan?

I am not aware

Q5

How have you integrated the 2020 HMP into the Capital Improvement Plan?

I am not aware

Q6

How have you integrated the 2020 HMP into the Building Code?

I am not aware

Q7

How have you integrated the 2020 HMP into the Zoning Ordinances?

I am not aware

Q8

How have you integrated the 2020 HMP into the Capital Improvement Program?

I am not aware

Q9

How have you integrated the 2020 HMP into the Stormwater Management Plans?

I am not aware

Q10

How have you integrated the 2020 HMP into any other plans? If so, how.

I am not aware

Page 3: Survey Complete!

Q11 **Respondent skipped this question**

General Comments

#5

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Wednesday, January 15, 2025 6:19:51 PM
Last Modified:	Wednesday, January 15, 2025 6:22:39 PM
Time Spent:	00:02:47
IP Address:	104.28.78.231

Page 1: Survey Instructions

Q1

Name and Organization

Name	**James Delabar**
Organization/Agency	**LEPC**
Title/Position	**Member**
Email Address	**jmdelabar@hitmail.com**

Q2

For which community are you responding?

Scioto County

Page 2: Integration Survey

Q3

How have you integrated the 2020 HMP into the Emergency Operations Plan?

Respondent skipped this question

Q4

How have you integrated the 2020 HMP into the Comprehensive Plan?

Respondent skipped this question

Q5

How have you integrated the 2020 HMP into the Capital Improvement Plan?

Respondent skipped this question

Q6

How have you integrated the 2020 HMP into the Building Code?

Respondent skipped this question

Q7

How have you integrated the 2020 HMP into the Zoning Ordinances?

Respondent skipped this question

Q8

How have you integrated the 2020 HMP into the Capital Improvement Program?

Respondent skipped this question

Q9

How have you integrated the 2020 HMP into the Stormwater Management Plans?

Respondent skipped this question

Q10

How have you integrated the 2020 HMP into any other plans? If so, how.

Respondent skipped this question

Page 3: Survey Complete!

Q11

General Comments

Respondent skipped this question

Surveys: City of Portsmouth

#2

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Tuesday, January 07, 2025 11:34:30 AM
Last Modified:	Tuesday, January 07, 2025 11:35:33 AM
Time Spent:	00:01:03
IP Address:	198.30.25.2

Page 1: Survey Instructions

Q1

Name and Organization

Name	**Christopher Smith**
Organization/Agency	**Portsmouth City Health Department**
Title/Position	**Health Commissioner**
Email Address	**chris.smith@portsmouthoh.org**

Q2

For which community are you responding?

City of Portsmouth

Page 2: Integration Survey

Q3

How have you integrated the 2020 HMP into the Emergency Operations Plan?

Yes

Q4

How have you integrated the 2020 HMP into the Comprehensive Plan?

Not at PCHD level

Q5

How have you integrated the 2020 HMP into the Capital Improvement Plan?

Not at PCHD level

Q6

How have you integrated the 2020 HMP into the Building Code?

Not at PCHD level

Q7

How have you integrated the 2020 HMP into the Zoning Ordinances?

Not at PCHD level

Q8

How have you integrated the 2020 HMP into the Capital Improvement Program?

Not at PCHD level

Q9

How have you integrated the 2020 HMP into the Stormwater Management Plans?

Not at PCHD level

Q10

How have you integrated the 2020 HMP into any other plans? If so, how.

Not at PCHD level

Page 3: Survey Complete!

Q11 **Respondent skipped this question**

General Comments

#9

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Friday, February 21, 2025 9:50:52 AM
Last Modified:	Friday, February 21, 2025 1:24:35 PM
Time Spent:	03:33:42
IP Address:	208.122.83.121

Page 1: Survey Description

Q1

Contact Information

Name	**Dr. Foresta Shope**
Organization/Agency	**Sciotoville Community Schools**
Title/Position	**Superintendent**
Email Address	**foresta.shope@easttartans.org**

Q2

For which community are you representing?If your community is not listed in the dropdown menu, please select Other. It will bring you to Scioto County's actions)

City of Portsmouth

Page 3: Mitigation Actions: City of Portsmouth

Q43

Adopt higher flood standards than NFIP minimums due to historical flood events and to reduce future damages

Ongoing

Q44

Adopt higher flood standards than NFIP minimums due to historical flood events and to reduce future damages (Flooding)

Cost Effective	**3**
Technically Feasible	**2**
Environmentally Sound	**1**
Immediate Need	**5**
Risk Reduction	**4**

Q45 **Ongoing**

Repair/Upgrade wastewater and water treatment plants (Flooding)

Q46

Repair/Upgrade wastewater and water treatment plants (Flooding)

Cost Effective	**2**
Technically Feasible	**1**
Environmentally Sound	**3**
Immediate Need	**5**
Risk Reduction	**4**

Q47 **Ongoing**

Replace antiquated floodwall pump station control systems (Flooding)

Q48

Replace antiquated floodwall pump station control systems (Flooding)

Cost Effective	**3**
Technically Feasible	**2**
Environmentally Sound	**1**
Immediate Need	**4**
Risk Reduction	**5**

Q49 **Ongoing**

Anchor mobile homes and propane tanks (Multiple Hazards)

Q50

Anchor mobile homes and propane tanks (Multiple Hazards)

Cost Effective	**2**
Technically Feasible	**4**
Environmentally Sound	**1**
Immediate Need	**3**
Risk Reduction	**5**

Q51 **Ongoing**

Construct Safe Rooms - Community (Multiple Hazards)

Q52

Construct Safe Rooms - Community (Multiple Hazards)

Cost Effective	**4**
Technically Feasible	**5**
Environmentally Sound	**2**
Immediate Need	**1**
Risk Reduction	**3**

Q53 **Ongoing**

Create rental housing inspection and permit program (Multiple Hazards)

Q54

Create rental housing inspection and permit program (Multiple Hazards)

Cost Effective	**2**
Technically Feasible	**3**
Environmentally Sound	**1**
Immediate Need	**5**
Risk Reduction	**4**

Q55 **Ongoing**

Eliminate combined sewer system backflow (Multiple Hazards)

Q56

Eliminate combined sewer system backflow (Multiple Hazards)

Cost Effective	**1**
Technically Feasible	**2**
Environmentally Sound	**3**
Immediate Need	**5**
Risk Reduction	**4**

Q57 **Ongoing**

Encourage jurisdictions to establish zones/building codes to control landuse in at-risk areas (Multiple Hazards)

Q58

Encourage jurisdictions to establish zones/building codes to control landuse in at-risk areas (Multiple Hazards)

Cost Effective	**2**
Technically Feasible	**3**
Environmentally Sound	**1**
Immediate Need	**5**
Risk Reduction	**4**

Q59 **Ongoing**

Establish community shelters (Multiple Hazards)

Q60

Establish community shelters (Multiple Hazards)

Cost Effective	**2**
Technically Feasible	**3**
Environmentally Sound	**1**
Immediate Need	**5**
Risk Reduction	**4**

Q61 **Ongoing**

Mitigate structures in flood-prone areas (Multiple Hazards)

Q62

Mitigate structures in flood-prone areas (Multiple Hazards)

Cost Effective	**2**
Technically Feasible	**3**
Environmentally Sound	**1**
Immediate Need	**5**
Risk Reduction	**4**

Q63	**Ongoing**
Reduce systematic problems caused by utility line ruptures (Multiple Hazards)	

Q64	**Ongoing**
Remove debris in streams (Multiple Hazards)	

Q65

Reduce systematic problems caused by utility line ruptures (Multiple Hazards)

Cost Effective	**3**
Technically Feasible	**2**
Environmentally Sound	**1**
Immediate Need	**4**
Risk Reduction	**5**

Q66

Remove debris in streams (Multiple Hazards)

Cost Effective	**1**
Technically Feasible	**2**
Environmentally Sound	**3**
Immediate Need	**4**
Risk Reduction	**5**

Page 9: Required Actions: All Jurisdictions

Q139

Required New Action: Work with all jurisdictions on filling in gaps and strengthening capabilities in enacting mitigation strategies.

Cost Effective	**1**
Technically Feasible	**3**
Environmentally Sound	**2**
Immediate Need	**4**
Risk Reduction	**5**

Q140

Required New Action: Ensure all eligible jurisdictions are participating in the NFIP.

Cost Effective	**4**
Technically Feasible	**4**
Environmentally Sound	**4**
Immediate Need	**4**
Risk Reduction	**5**

Q141

Required New Action: Ensure all high-hazard potential dams have updated Emergency Action Plans (EAPs) in place.

Cost Effective	**4**
Technically Feasible	**4**
Environmentally Sound	**4**
Immediate Need	**5**
Risk Reduction	**5**

Q142

Required New Action: Obtain or create inundation maps for all dams.

Cost Effective	**4**
Technically Feasible	**4**
Environmentally Sound	**4**
Immediate Need	**5**
Risk Reduction	**5**

Q143

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Page 10: New Actions

Q144

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q145

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q146

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q147

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q148

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q149

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q150

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q151

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q152

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q153

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q154

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q155

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q156

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q157

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q158

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

#4

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Thursday, February 20, 2025 4:16:46 PM
Last Modified:	Thursday, February 20, 2025 4:45:54 PM
Time Spent:	00:29:07
IP Address:	146.75.223.107

Page 1: Survey Description

Q1

Contact Information

Name	**Debby Brewer**
Organization/Agency	**Portsmouth Police**
Title/Position	**Chief**
Email Address	**dbrewer@portsmouthohpd.gov**

Q2

For which community are you representing?If your community is not listed in the dropdown menu, please select Other. It will bring you to Scioto County's actions)

City of Portsmouth

Page 3: Mitigation Actions: City of Portsmouth

Q43

Adopt higher flood standards than NFIP minimums due to historical flood events and to reduce future damages

Ongoing

Q44

Adopt higher flood standards than NFIP minimums due to historical flood events and to reduce future damages (Flooding)

Cost Effective	**5**
Technically Feasible	**3**
Environmentally Sound	**5**
Immediate Need	**4**
Risk Reduction	**5**

Q45 **Ongoing**

Repair/Upgrade wastewater and water treatment plants (Flooding)

Q46

Repair/Upgrade wastewater and water treatment plants (Flooding)

Cost Effective	**5**
Technically Feasible	**4**
Environmentally Sound	**4**
Immediate Need	**4**
Risk Reduction	**5**

Q47 **Ongoing**

Replace antiquated floodwall pump station control systems (Flooding)

Q48

Replace antiquated floodwall pump station control systems (Flooding)

Cost Effective	**5**
Technically Feasible	**4**
Environmentally Sound	**4**
Immediate Need	**3**
Risk Reduction	**4**

Q49 **Ongoing**

Anchor mobile homes and propane tanks (Multiple Hazards)

Q50

Anchor mobile homes and propane tanks (Multiple Hazards)

Cost Effective	**4**
Technically Feasible	**3**
Environmentally Sound	**3**
Immediate Need	**3**
Risk Reduction	**4**

Q51 **Ongoing**

Construct Safe Rooms - Community (Multiple Hazards)

Q52

Construct Safe Rooms - Community (Multiple Hazards)

Cost Effective	**3**
Technically Feasible	**3**
Environmentally Sound	**3**
Immediate Need	**3**
Risk Reduction	**3**

Q53 **Ongoing**

Create rental housing inspection and permit program (Multiple Hazards)

Q54

Create rental housing inspection and permit program (Multiple Hazards)

Cost Effective	**5**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**5**
Risk Reduction	**5**

Q55 **Ongoing**

Eliminate combined sewer system backflow (Multiple Hazards)

Q56

Eliminate combined sewer system backflow (Multiple Hazards)

Cost Effective	**4**
Technically Feasible	**3**
Environmentally Sound	**3**
Immediate Need	**3**
Risk Reduction	**3**

Q57 **Ongoing**

Encourage jurisdictions to establish zones/building codes to control landuse in at-risk areas (Multiple Hazards)

Q58

Encourage jurisdictions to establish zones/building codes to control landuse in at-risk areas (Multiple Hazards)

Cost Effective	**4**
Technically Feasible	**4**
Environmentally Sound	**5**
Immediate Need	**5**
Risk Reduction	**5**

Q59 **Ongoing**

Establish community shelters (Multiple Hazards)

Q60

Establish community shelters (Multiple Hazards)

Cost Effective	**3**
Technically Feasible	**3**
Environmentally Sound	**3**
Immediate Need	**3**
Risk Reduction	**3**

Q61 **Ongoing**

Mitigate structures in flood-prone areas (Multiple Hazards)

Q62

Mitigate structures in flood-prone areas (Multiple Hazards)

Cost Effective	**3**
Technically Feasible	**3**
Environmentally Sound	**4**
Immediate Need	**4**
Risk Reduction	**5**

Q63 **Ongoing**

Reduce systematic problems caused by utility line ruptures (Multiple Hazards)

Q64 **Ongoing**

Remove debris in streams (Multiple Hazards)

Q65

Reduce systematic problems caused by utility line ruptures (Multiple Hazards)

Cost Effective	**3**
Technically Feasible	**3**
Environmentally Sound	**3**
Immediate Need	**3**
Risk Reduction	**3**

Q66

Remove debris in streams (Multiple Hazards)

Technically Feasible	**3**
Environmentally Sound	**5**
Immediate Need	**5**
Risk Reduction	**5**

Page 9: Required Actions: All Jurisdictions

Q139

Required New Action: Work with all jurisdictions on filling in gaps and strengthening capabilities in enacting mitigation strategies.

Cost Effective	**5**
Technically Feasible	**3**
Environmentally Sound	**4**
Immediate Need	**4**
Risk Reduction	**4**

Q140

Required New Action: Ensure all eligible jurisdictions are participating in the NFIP.

Cost Effective	**4**
Technically Feasible	**4**
Environmentally Sound	**4**
Immediate Need	**4**
Risk Reduction	**4**

Q141

Required New Action: Ensure all high-hazard potential dams have updated Emergency Action Plans (EAPs) in place.

Cost Effective	**5**
Technically Feasible	**4**
Environmentally Sound	**4**
Immediate Need	**5**
Risk Reduction	**5**

Q142

Required New Action: Obtain or create inundation maps for all dams.

Cost Effective	**4**
Technically Feasible	**3**
Environmentally Sound	**3**
Immediate Need	**4**
Risk Reduction	**4**

Q143

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Page 10: New Actions

Q144

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q145

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q146

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q147

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q148

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q149

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q150

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q151

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q152

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q153

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q154

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q155

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q156

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q157

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q158

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

#1

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Thursday, February 20, 2025 1:35:30 PM
Last Modified:	Thursday, February 20, 2025 1:45:37 PM
Time Spent:	00:10:07
IP Address:	172.59.240.223

Page 1: Survey Description

Q1

Contact Information

Name	**Dan Simco**
Organization/Agency	**The Salvation Army**
Title/Position	**Officer**
Email Address	**dan.simco@use.salvationarmy.org**

Q2

For which community are you representing?If your community is not listed in the dropdown menu, please select Other. It will bring you to Scioto County's actions)

City of Portsmouth

Page 3: Mitigation Actions: City of Portsmouth

Q43

Adopt higher flood standards than NFIP minimums due to historical flood events and to reduce future damages

Ongoing

Q44

Adopt higher flood standards than NFIP minimums due to historical flood events and to reduce future damages (Flooding)

Cost Effective	**3**
Technically Feasible	**3**
Environmentally Sound	**3**
Immediate Need	**3**
Risk Reduction	**3**

Q45 **Ongoing**

Repair/Upgrade wastewater and water treatment plants (Flooding)

Q46

Repair/Upgrade wastewater and water treatment plants (Flooding)

Cost Effective	**3**
Technically Feasible	**2**
Environmentally Sound	**4**
Immediate Need	**4**
Risk Reduction	**3**

Q47 **Ongoing**

Replace antiquated floodwall pump station control systems (Flooding)

Q48

Replace antiquated floodwall pump station control systems (Flooding)

Cost Effective	**3**
Technically Feasible	**2**
Environmentally Sound	**4**
Immediate Need	**5**
Risk Reduction	**5**

Q49 **Ongoing**

Anchor mobile homes and propane tanks (Multiple Hazards)

Q50

Anchor mobile homes and propane tanks (Multiple Hazards)

Cost Effective	**3**
Technically Feasible	**4**
Environmentally Sound	**4**
Immediate Need	**4**
Risk Reduction	**5**

Q51 **Ongoing**

Construct Safe Rooms - Community (Multiple Hazards)

Q52

Construct Safe Rooms - Community (Multiple Hazards)

Cost Effective	**3**
Technically Feasible	**4**
Environmentally Sound	**3**
Immediate Need	**2**
Risk Reduction	**2**

Q53 **Ongoing**

Create rental housing inspection and permit program (Multiple Hazards)

Q54

Create rental housing inspection and permit program (Multiple Hazards)

Cost Effective	**3**
Technically Feasible	**4**
Environmentally Sound	**4**
Immediate Need	**4**
Risk Reduction	**4**

Q55 **Ongoing**

Eliminate combined sewer system backflow (Multiple Hazards)

Q56

Eliminate combined sewer system backflow (Multiple Hazards)

Cost Effective	**2**
Technically Feasible	**2**
Environmentally Sound	**4**
Immediate Need	**5**
Risk Reduction	**5**

Q57 **Ongoing**

Encourage jurisdictions to establish zones/building codes to control landuse in at-risk areas (Multiple Hazards)

Q58

Encourage jurisdictions to establish zones/building codes to control landuse in at-risk areas (Multiple Hazards)

Cost Effective	**3**
Technically Feasible	**4**
Environmentally Sound	**5**
Immediate Need	**5**
Risk Reduction	**4**

Q59 **Ongoing**

Establish community shelters (Multiple Hazards)

Q60

Establish community shelters (Multiple Hazards)

Cost Effective	**2**
Technically Feasible	**4**
Environmentally Sound	**5**
Immediate Need	**4**
Risk Reduction	**5**

Q61 **Ongoing**

Mitigate structures in flood-prone areas (Multiple Hazards)

Q62

Mitigate structures in flood-prone areas (Multiple Hazards)

Cost Effective	**3**
Technically Feasible	**2**
Environmentally Sound	**4**
Immediate Need	**5**
Risk Reduction	**4**

Q63	**Ongoing**
Reduce systematic problems caused by utility line ruptures (Multiple Hazards)	

Q64	**Ongoing**
Remove debris in streams (Multiple Hazards)	

Q65

Reduce systematic problems caused by utility line ruptures (Multiple Hazards)

Cost Effective	**3**
Technically Feasible	**3**
Environmentally Sound	**4**
Immediate Need	**4**
Risk Reduction	**4**

Q66

Remove debris in streams (Multiple Hazards)

Cost Effective	**3**
Technically Feasible	**2**
Environmentally Sound	**4**
Immediate Need	**4**
Risk Reduction	**4**

Page 9: Required Actions: All Jurisdictions

Q139

Required New Action: Work with all jurisdictions on filling in gaps and strengthening capabilities in enacting mitigation strategies.

Cost Effective	**3**
Technically Feasible	**4**
Environmentally Sound	**3**
Immediate Need	**4**
Risk Reduction	**4**

Q140

Required New Action: Ensure all eligible jurisdictions are participating in the NFIP.

Cost Effective	**3**
Technically Feasible	**3**
Environmentally Sound	**3**
Immediate Need	**3**
Risk Reduction	**3**

Q141

Required New Action: Ensure all high-hazard potential dams have updated Emergency Action Plans (EAPs) in place.

Cost Effective	**2**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**5**
Risk Reduction	**5**

Q142

Required New Action: Obtain or create inundation maps for all dams.

Cost Effective	**3**
Technically Feasible	**4**
Environmentally Sound	**4**
Immediate Need	**5**
Risk Reduction	**4**

Q143

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Page 10: New Actions

Q144

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q145

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q146

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q147

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q148

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q149

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q150

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q151

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q152

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q153

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q154

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q155

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q156

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q157

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q158

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

#9

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Tuesday, January 07, 2025 11:26:18 AM
Last Modified:	Tuesday, January 07, 2025 11:29:37 AM
Time Spent:	00:03:18
IP Address:	198.30.25.2

Page 1: Survey Instructions

Q1

Name and Organization

Name	**Christopher Smith**
Organization/Agency	**Portsmouth City Health Department**
Title/Position	**Health Commissioner**
Email Address	**chris.smith@portsmouthoh.org**

Q2

For which community are you responding?

City of Portsmouth

Page 2: Goals Survey

Q3

Reduce or eliminate impact of hazards on public safety, lives, property, and infrastructure.

	(no label)
Increase survivability of emergency communications.	**Include**
Plan for safe development.	**Include**
Create self-sufficiency.	**Do Not Include**
Plan for safe development.	**Include**
Increase public awareness.	**Do Not Include**

Q4

New Goals: Please provide any goals or objectives you would like included in the Plan.

New Goal 1	**Improve storm sewer/Run 0ff infrastructure**
New Goal 2	**Exercise Flood Gate Installation**

Q5

Please provide any additional comments related to these goals in the space below.

Flooding seems to be our biggest issue that causes damage.

Page 3: Survey Complete!

Q6 **Respondent skipped this question**

General Comments

#9

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Tuesday, January 07, 2025 11:29:42 AM
Last Modified: Tuesday, January 07, 2025 11:31:31 AM
Time Spent: 00:01:48
IP Address: 198.30.25.2

Page 1: Survey Instructions

Q1

Name and Organization

Name	**Christopher Scott Smith**
Organization/Agency	**Portsmouth City Health Department**
Title/Position	**Health Commissioner**
Email Address	**chris.smith@portsmouthoh.org**

Q2

What Jurisdiction are answering for?

City of Portsmouth

Page 2: Hazard Priorities

Q3

Hazards included in 2020 Plan

1. Dam/Levee Failure	**Highest Priority**
2. Drought and Extreme Heat	**Lowest Priority**
3. Earthquakes	**Lowest Priority**
4. Flooding	**Highest Priority**
5. Invasive Species	**Do not include**
6. Landslides and Land Subsidence	**Do not include**
7. Severe Summer Weather	**Do not include**
8. Severe Winter Weather	**Medium-High Priority**
9. Tornadoes	**Lowest Priority**
10. Wildfire	**Lowest Priority**

Q4

Please consider the following and provide any additional comments: Please consider how the hazards are grouped - Should any be made into separate categories or grouped differently? Are there any hazards not listed that you would like to see included in the 2025 Plan? Any additional comments.

Communicable Disease Outbreak

Page 3: Survey Complete!

Q5 **Respondent skipped this question**

General Comments

#6

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Tuesday, January 07, 2025 11:31:35 AM
Last Modified:	Tuesday, January 07, 2025 11:34:25 AM
Time Spent:	00:02:50
IP Address:	198.30.25.2

Page 1: Survey Instructions

Q1

Contact Information

Name	**Christopher Smith**
Organization/Agency	**Portsmouth City Health Department**
Title/Position	**Health Commissioner**
Email Address	**chris.smith@portsmouthoh.org**

Q2

For which community are you responding?If your community is not listed in the dropdown menu, please select Scioto County to proceed, but you are not required to take the survey.

City of Portsmouth

Page 3: Previous Mitigation Actions: City of Portsmouth

Q22

Adopt higher flood standards than NFIP minimums due to historical flood events and to reduce future damages

Unchanged (Indicate why below),

(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:

Don't Know

Q23

Create rental housing inspection and permit program

Ongoing (List percent completed or describe progress made below)

,

(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:

Legal issues getting through City Council

Q24

Eliminate combined sewer system backflow

Respondent skipped this question

Q25

Reduce systematic problems caused by utility line ruptures

Unchanged (Indicate why below),

(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:

Don't Know

Q26

Encourage jurisdictions to establish zones/building codes to control land use in at-risk areas

Respondent skipped this question

Q27

Repair/Upgrade wastewater and water treatment plants

Respondent skipped this question

Q28

Anchor mobile homes and propane tanks

Completed (Indicate when below),

(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:

Required by State Law, and inspected yearly

Q29

Construct Safe Rooms - Community

Unchanged (Indicate why below),

(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:

Don't Know

Q30

Establish community shelters

Unchanged (Indicate why below),
(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
None that I know of

Q31

Mitigate structures in flood-prone areas

Unchanged (Indicate why below),
(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
Don't Know

Q32

Remove debris in streams

Unchanged (Indicate why below),
(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
Don't Know

Q33

Replace antiquated floodwall pump station control systems

Respondent skipped this question

#6

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Tuesday, January 07, 2025 11:31:35 AM
Last Modified:	Tuesday, January 07, 2025 11:34:25 AM
Time Spent:	00:02:50
IP Address:	198.30.25.2

Page 1: Survey Instructions

Q1

Contact Information

Name	**Christopher Smith**
Organization/Agency	**Portsmouth City Health Department**
Title/Position	**Health Commissioner**
Email Address	**chris.smith@portsmouthoh.org**

Q2

For which community are you responding?If your community is not listed in the dropdown menu, please select Scioto County to proceed, but you are not required to take the survey.

City of Portsmouth

Page 3: Previous Mitigation Actions: City of Portsmouth

Q22

Adopt higher flood standards than NFIP minimums due to historical flood events and to reduce future damages

Unchanged (Indicate why below),

(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:

Don't Know

Q23

Create rental housing inspection and permit program

Ongoing (List percent completed or describe progress made below)

,

(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:

Legal issues getting through City Council

Q24

Encourage jurisdictions to establish zones/building codes to control land use in at-risk areas

Unchanged (Indicate why below),

(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:

Don't Know

Q25

Anchor mobile homes and propane tanks

Completed (Indicate when below),

(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:

Required by State Law, and inspected yearly

Q26

Construct Safe Rooms - Community

Unchanged (Indicate why below),

(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:

Don't Know

Q27

Establish community shelters

Unchanged (Indicate why below),

(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:

None that I know of

Q28

Mitigate structures in flood-prone areas

Unchanged (Indicate why below),
(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
Don't Know

Q29

Remove debris in streams

Unchanged (Indicate why below),
(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
Don't Know

Name:	Title and Organization:	Jurisdiction:
Mark A. Hicks	Supervisor FloodDefense	Portsmouth

Mitigation Action (Strategy)	Risk	Ranking					
Required: Work with all jurisdictions on filling in gaps and strengthening capabilities in enacting mitigation strategies.	multiple Hazards ongoing	Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
Required: Ensure all eligible jurisdictions are participating in the NFIP.	multiple Hazards ongoing	Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
Required: Ensure all high-hazard potential dams have updated Emergency Action Plans (EAPs) in place.	multiple Hazards	Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name: Mark A. Hicks	Title and Organization: Supervisor Flood Defense, City of Portsmouth

City of Portsmouth

Mitigation Action (Strategy)	Risk	Status	Ranking					
Eliminate combined sewer system backflow	Multiple Hazards	☐Completed ☐Deleted ☒Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Encourage jurisdictions to establish zones/building codes to control land use in at-risk areas	Multiple Hazards	☒Completed 100% ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Establish community shelters	Multiple Hazards	☒Completed 50% ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

Name: Mark A. Hicks	Title and Organization: Supervisor Flood Defense, City of Portsmouth

City of Portsmouth

Mitigation Action (Strategy)	Risk	Status	Ranking					
Anchor mobile homes and propane tanks	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Construct Safe Rooms - Community	Multiple Hazards	☐Completed ☐Deleted ☒Ongoing	Cost Effective	1	2	3	(4)	5
			Technically Feasible	1	2	(3)	4	5
			Environmentally Sound	(1)	2	3	4	5
			Immediate Need	1	2	3	4	(5)
			Risk Reduction	1	2	3	4	(5)
Create rental housing inspection and permit program	Multiple Hazards	☐Completed ☒Deleted 100% ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

Name: Mark A. Hicks	Title and Organization: Supervisor Flood Defense City of Portsmouth

City of Portsmouth

Mitigation Action (Strategy)	Risk	Status	Ranking					
Adopt higher flood standards than NFIP minimums due to historical flood events and to reduce future damages	Flooding	☐Completed ☐Deleted ☒Ongoing 0%	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Repair/Upgrade wastewater and water treatment plants	Flooding	☐Completed ☐Deleted ☒Ongoing 50%	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Replace antiquated floodwall pump station control systems	Flooding	☐Completed ☐Deleted ☒Ongoing 0%	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:
Mark A. Hicks	Supervisor Flood Defense, City	Portsmouth

Mitigation Action (Strategy)	Risk	Ranking					
Update Flood Defense Pump Stations with new buildings, pumps, Electric, and Discharge Lines along with new gates and valves.	multiple Hazards	Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
Update Flood Gate systems with new Hydrolic Gate sytems that Require Less time and man Power	multiple Hazards	Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
Get Back-up Generators For Flood pump Stations. Portsmouth has 7 and New Boston has 4.	multiple Hazards ongoing	Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
Have the Levee Wall Resurfaced + Joints Re-done in Portsmouth and New Boston	multiple Hazards ongoing 0% Completed	Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name: Mark A Hicks	Title and Organization: Supervisor / Flood Defense

City of Portsmouth

Mitigation Action (Strategy)	Risk	Status	Ranking					
Mitigate structures in flood-prone areas	Multiple Hazards	☐Completed ☐Deleted ☒Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Reduce systematic problems caused by utility line ruptures	Multiple Hazards	☐Completed ☐Deleted ☒Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Remove debris in streams	Multiple Hazards	☐Completed ☐Deleted ☒Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

NAME: Randy Nichols | POSITION: Director Wastewater CSD

GOALS SURVEY

January 2025

It is important to revisit the goals and objectives from Scioto County's 2020 Hazard Mitigation Plan to help guide the current update to the plan.

Previous Goals

Please determine which of the previous goals, if any, should be included in the next plan.

- ☑ Reduce or eliminate impact of hazards on public safety, lives, property, and infrastructure.
- ☑ Increase survivability of emergency communications.
- ☑ Plan for safe development.
- ☑ Create self-sufficiency.
- ☑ Increase public awareness.

New Goals

Please draft new goals for the plan on the lines below.

- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____

NAME: Randy Nichols | POSITION: Director Waste Water COP

Hazard Priorities Survey

January 2025

Instructions:

1. Consider each hazard below.
2. Rate each hazard on a scale of 0 to 5 based on how important each hazard is to your community.
3. If a hazard should not be studied, give it a zero (0).
4. Provide any comments you would like to share regarding your selected ratings.

2020 Hazards	Priority Ratings (Circle One Score)					
	Do not Include	Lowest Priority	Low-Medium Priority	Medium Priority	Medium-High Priority	Highest Priority
1. Dam/Levee Failure	0	1	2	3	4	5
2. Drought and Extreme Heat	0	1	2	3	4	5
3. Earthquakes	0	1	2	3	4	5
4. Flooding	0	1	2	3	4	5
5. Invasive Species	0	1	2	3	4	5
6. Landslides and Land Subsidence	0	1	2	3	4	5
7. Severe Summer Weather	0	1	2	3	4	5
8. Severe Winter Weather	0	1	2	3	4	5
9. Tornadoes	0	1	2	3	4	5
10. Wildfire	0	1	2	3	4	5

Additional Comments

- *Are there any hazards not listed that you would like to see included in the 2025 plan?*
- *Any other additional comments.*

MAJOR CONCERNS WITH LACK OF ELECTRIC BACK UP TO CITY'S FLOOD DEFENSE SYSTEM.

Surveys: Village of New Boston

#15

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Wednesday, June 18, 2025 11:54:31 AM
Last Modified:	Wednesday, June 18, 2025 12:17:35 PM
Time Spent:	00:23:04
IP Address:	76.177.101.59

Page 1: Survey Description

Q1

Contact Information

Name	**Steve Hamilton**
Organization/Agency	**Village of New Boston**
Title/Position	**Administrator**
Email Address	**steve.hamilton39@yahoo.com**

Q2

For which community are you representing?If your community is not listed in the dropdown menu, please select Other. It will bring you to Scioto County's actions)

Village of New Boston

Page 4: Mitigation Actions: Village of New Boston

Q67

Adopt higher flood standards than NFIP minimums due to historical flood events and to reduce future damages (Flooding)

Ongoing

Q68

Adopt higher flood standards than NFIP minimums due to historical flood events and to reduce future damages (Flooding)

Cost Effective	**5**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**5**
Risk Reduction	**5**
Comment::	Receives flood waters and debris from outside of its corporation limits.

Q69 **Ongoing**

Anchor mobile homes and propane tanks (Multiple Hazards)

Q70

Anchor mobile homes and propane tanks (Multiple Hazards)

Cost Effective	**5**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**5**
Risk Reduction	**5**

Q71 **Ongoing**

Construct Safe Rooms - Community (Multiple Hazards)

Q72

Construct Safe Rooms - Community (Multiple Hazards)

Cost Effective	**5**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**5**
Risk Reduction	**5**

Q73 **Ongoing**

Create rental housing inspection and permit program (Multiple Hazards)

Q74

Create rental housing inspection and permit program (Multiple Hazards)

Cost Effective	**5**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**5**
Risk Reduction	**5**

Q75 **Ongoing**

Eliminate combined sewer system backflow (Multiple Hazards)

Q76

Eliminate combined sewer system backflow (Multiple Hazards)

Cost Effective	**5**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**5**
Risk Reduction	**5**
Comment::	Village has done a lot of work on CSO's

Q77 **Ongoing**

Encourage jurisdictions to establish zones/building codes to control landuse in at-risk areas (Multiple Hazards)

Q78

Encourage jurisdictions to establish zones/building codes to control landuse in at-risk areas (Multiple Hazards)

Cost Effective	**5**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**5**
Risk Reduction	**5**

Q79 **Ongoing**

Establish community shelters (Multiple Hazards)

Q80

Establish community shelters (Multiple Hazards)

Cost Effective	**5**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**5**
Risk Reduction	**5**

Q81 **Ongoing**

Mitigate structures in flood-prone areas (Multiple Hazards)

Q82

Mitigate structures in flood-prone areas (Multiple Hazards)

Cost Effective	**5**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**5**
Risk Reduction	**5**

Q83 **Ongoing**

Reduce systematic problems caused by utility line ruptures (Multiple Hazards)

Q84

Reduce systematic problems caused by utility line ruptures (Multiple Hazards)

Cost Effective	**5**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**5**
Risk Reduction	**5**

Q85 **Ongoing**

Remove debris in streams (Multiple Hazards)

Q86

Remove debris in streams (Multiple Hazards)

Cost Effective	**5**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**5**
Risk Reduction	**5**
Comment::	Need Funding in County, Portsmouth and New Boston to complete this work.

Page 9: Required Actions: All Jurisdictions

Q139

Required New Action: Work with all jurisdictions on filling in gaps and strengthening capabilities in enacting mitigation strategies.

Cost Effective	**5**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**5**
Risk Reduction	**5**

Q140

Required New Action: Ensure all eligible jurisdictions are participating in the NFIP.

Cost Effective	**5**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**5**
Risk Reduction	**5**

Q141

Required New Action: Ensure all high-hazard potential dams have updated Emergency Action Plans (EAPs) in place.

Cost Effective	**5**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**5**
Risk Reduction	**5**

Q142

Required New Action: Obtain or create inundation maps for all dams.

Cost Effective	**5**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**5**
Risk Reduction	**5**

Q143

Here is your chance to draft a new action. Please type out your action in the other box below and score the action.
(Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Page 10: New Actions

Q144

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Cost Effective	**5**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**5**
Risk Reduction	**5**
Other (please specify):	Require municipalities to take care of their waterways keep all debris cleared and waterways open to slow down all the flooding. But there should be funding to help with the cost!!!

Q145

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q146

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q147

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q148

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q149

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q150

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q151

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q152

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q153

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q154

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q155

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q156

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q157

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q158

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

NAME: Steve Hamilton	POSITION: Administrator

GOALS SURVEY

Village of New Boston

January 2025

It is important to revisit the goals and objectives from Scioto County's 2020 Hazard Mitigation Plan to help guide the current update to the plan.

Previous Goals

Please determine which of the previous goals, if any, should be included in the next plan.

- ☑ Reduce or eliminate impact of hazards on public safety, lives, property, and infrastructure.
- ☑ Increase survivability of emergency communications.
- ☑ Plan for safe development.
- ☑ Create self-sufficiency.
- ☑ Increase public awareness.

New Goals

Please draft new goals for the plan on the lines below.

- ☑ Reduce all the red tape
- ☑ Create quicker responce time (without all red tape)
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____

NAME: Steve Hamilton	POSITION: Administrator

Hazard Priorities Survey

January 2025

Instructions:

1. Consider each hazard below.
2. Rate each hazard on a scale of 0 to 5 based on how important each hazard is to your community.
3. If a hazard should not be studied, give it a zero (0).
4. Provide any comments you would like to share regarding your selected ratings.

2020 Hazards	Priority Ratings (Circle One Score)					
	Do not Include	Lowest Priority	Low-Medium Priority	Medium Priority	Medium-High Priority	Highest Priority
1. Dam/Levee Failure	0	1	2	3	4	(5)
2. Drought and Extreme Heat	0	1	2	3	(4)	5
3. Earthquakes	0	1	2	3	(4)	5
4. Flooding	0	1	2	3	4	(5)
5. Invasive Species	0	1	2	3	(4)	5
6. Landslides and Land Subsidence	0	1	2	3	4	(5)
7. Severe Summer Weather	0	1	2	3	4	(5)
8. Severe Winter Weather	0	1	2	3	4	(5)
9. Tornadoes	0	1	2	3	4	(5)
10. Wildfire	0	1	2	3	(4)	5

NAME: Steve Hamilton	POSITION: Administrator

Village of New Boston

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Adopt higher flood standards than NFIP minimums due to historical flood events and to reduce future damages.	Flooding	☐Completed ☐Deleted ☑Deferred ☐Unchanged ☐Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Anchor mobile homes and propane tanks.	Multiple Hazards	☐Completed ☐Deleted ☑Deferred ☐Unchanged ☐Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Construct Safe Rooms – Community.	Multiple Hazards	☐Completed ☐Deleted ☑Deferred ☐Unchanged ☐Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

NAME: Steve Hamilton | POSITION: Administrator

Village of New Boston

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Create rental housing inspection and permit program.	Multiple Hazards	☐Completed ☐Deleted ☑Deferred ☐Unchanged ☐Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	Cost Effective – 1 (2) 3 4 5 Technically Feasible – 1 2 (3) 4 5 Environmentally Sound – 1 2 (3) 4 5 Immediate Need – 1 2 3 4 (5) Risk Reduction – 1 2 3 (4) 5
Additional Comments:				
Eliminate combined sewer system backflow.	Multiple Hazards	☐Completed ☐Deleted ☑Deferred ☐Unchanged ☐Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	Cost Effective – (1) 2 3 4 5 Technically Feasible – 1 2 (3) 4 5 Environmentally Sound – 1 2 3 (4) 5 Immediate Need – 1 2 3 4 (5) Risk Reduction – 1 2 3 (4) 5
Additional Comments:				
Encourage jurisdictions to establish zones/building codes to control land use in at-risk areas.	Multiple Hazards	☐Completed ☐Deleted ☑Deferred ☐Unchanged ☐Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	Cost Effective – 1 (2) 3 4 5 Technically Feasible – 1 2 (3) 4 5 Environmentally Sound – 1 (2) 3 4 5 Immediate Need – 1 2 3 4 (5) Risk Reduction – 1 2 3 (4) 5
Additional Comments:				

NAME: Steve Hamilton	POSITION: Administrator

Village of New Boston

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Establish community shelters.	Multiple Hazards	☐Completed ☐Deleted ☑Deferred ☐Unchanged ☐Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	Cost Effective - 1 2 3 4 5 Technically Feasible - 1 2 3 4 5 Environmentally Sound - 1 2 3 4 5 Immediate Need - 1 2 3 4 5 Risk Reduction - 1 2 3 4 5
Additional Comments:				
Mitigate structures in flood-prone areas.	Multiple Hazards	☐Completed ☐Deleted ☑Deferred ☐Unchanged ☐Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	Cost Effective - 1 2 3 4 5 Technically Feasible - 1 2 3 4 5 Environmentally Sound - 1 2 3 4 5 Immediate Need - 1 2 3 4 5 Risk Reduction - 1 2 3 4 5
Additional Comments:				
Reduce systematic problems caused by utility line ruptures.	Multiple Hazards	☐Completed ☐Deleted ☑Deferred ☐Unchanged ☐Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	Cost Effective - 1 2 3 4 5 Technically Feasible - 1 2 3 4 5 Environmentally Sound - 1 2 3 4 5 Immediate Need - 1 2 3 4 5 Risk Reduction - 1 2 3 4 5
Additional Comments:				

NAME: Steve Hamilton	POSITION: Administrator

Village of New Boston

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Remove debris in streams.	Multiple Hazards	☐Completed ☐Deleted ☑Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

Surveys:
Village of Otway

#18

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Thursday, July 24, 2025 2:11:18 PM
Last Modified:	Thursday, July 24, 2025 2:21:14 PM
Time Spent:	00:09:55
IP Address:	75.180.46.157

Page 1: Survey Description

Q1

Contact Information

Name	**Valerie Kay Enz**
Organization/Agency	**Village of Otway**
Title/Position	**Fiscal Officer**
Email Address	**valerie.enz3@gmail.com**

Q2

For which community are you representing?If your community is not listed in the dropdown menu, please select Other. It will bring you to Scioto County's actions)

Village of Otway

Page 5: Mitigation Actions: Village of Otway

Q87

Adopt higher flood standards than NFIP minimums due to historical flood events and to reduce future damages

Ongoing

Q88

Adopt higher flood standards than NFIP minimums due to historical flood events and to reduce future damages (Flooding)

Cost Effective	**3**
Technically Feasible	**3**
Environmentally Sound	**3**
Immediate Need	**3**
Risk Reduction	**3**

Q89 **Ongoing**

Anchor mobile homes and propane tanks (Multiple Hazards)

Q90

Anchor mobile homes and propane tanks (Multiple Hazards)

Cost Effective	**3**
Technically Feasible	**3**
Environmentally Sound	**3**
Immediate Need	**3**
Risk Reduction	**3**

Q91 **Ongoing**

Construct Safe Rooms - Community (Multiple Hazards)

Q92

Construct Safe Rooms - Community (Multiple Hazards)

Cost Effective	**3**
Technically Feasible	**3**
Environmentally Sound	**3**
Immediate Need	**3**
Risk Reduction	**3**

Q93 **Ongoing**

Create rental housing inspection and permit program (Multiple Hazards)

Q94

Create rental housing inspection and permit program (Multiple Hazards)

Cost Effective	**3**
Technically Feasible	**3**
Environmentally Sound	**3**
Immediate Need	**3**
Risk Reduction	**3**

Q95 **Ongoing**

Encourage jurisdictions to establish zones/building codes to control landuse in at-risk areas (Multiple Hazards)

Q96

Encourage jurisdictions to establish zones/building codes to control landuse in at-risk areas (Multiple Hazards)

Cost Effective	**3**
Technically Feasible	**3**
Environmentally Sound	**3**
Immediate Need	**3**
Risk Reduction	**3**

Q97 **Ongoing**

Establish community shelters (Multiple Hazards)

Q98

Establish community shelters (Multiple Hazards)

Cost Effective	**3**
Technically Feasible	**3**
Environmentally Sound	**3**
Immediate Need	**3**
Risk Reduction	**3**

Q99 **Ongoing**

Mitigate structures in flood-prone areas (Multiple Hazards)

Q100

Mitigate structures in flood-prone areas (Multiple Hazards)

Cost Effective	**3**
Technically Feasible	**3**
Environmentally Sound	**3**
Immediate Need	**3**
Risk Reduction	**3**

Q101 **Ongoing**

Reduce systematic problems caused by utility line ruptures (Multiple Hazards)

Q102

Reduce systematic problems caused by utility line ruptures (Multiple Hazards)

Cost Effective	**3**
Technically Feasible	**3**
Environmentally Sound	**3**
Immediate Need	**3**
Risk Reduction	**3**

Q103 **Ongoing**

Remove debris in streams (Multiple Hazards)

Q104

Remove debris in streams (Multiple Hazards)

Cost Effective	**3**
Technically Feasible	**3**
Environmentally Sound	**3**
Immediate Need	**3**
Risk Reduction	**3**

Page 9: Required Actions: All Jurisdictions

Q139

Required New Action: Work with all jurisdictions on filling in gaps and strengthening capabilities in enacting mitigation strategies.

Cost Effective	**3**
Technically Feasible	**3**
Environmentally Sound	**3**
Immediate Need	**3**
Risk Reduction	**3**

Q140

Required New Action: Ensure all eligible jurisdictions are participating in the NFIP.

Cost Effective	**3**
Technically Feasible	**3**
Environmentally Sound	**3**
Immediate Need	**3**
Risk Reduction	**3**

Q141

Required New Action: Ensure all high-hazard potential dams have updated Emergency Action Plans (EAPs) in place.

Cost Effective	**3**
Technically Feasible	**3**
Environmentally Sound	**3**
Immediate Need	**3**
Risk Reduction	**3**

Q142

Required New Action: Obtain or create inundation maps for all dams.

Cost Effective	**3**
Technically Feasible	**3**
Environmentally Sound	**3**
Immediate Need	**3**
Risk Reduction	**3**

Q143

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Cost Effective	**3**
Technically Feasible	**3**
Environmentally Sound	**3**
Immediate Need	**3**
Risk Reduction	**3**

Page 10: New Actions

Q144

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Other (please specify): na

Q145

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Other (please specify): na

Q146

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Other (please specify): na

Q147

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Other (please specify): na

Q148

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Other (please specify): na

Q149

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Other (please specify): na

Q150

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Other (please specify): na

Q151

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Other (please specify): na

Q152

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Other (please specify): na

Q153

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Other (please specify): na

Q154

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Other (please specify): na

Q155

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Other (please specify): na

Q156

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Other (please specify): na

Q157

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Other (please specify): na

Q158

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Other (please specify):	na

#16

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Thursday, June 26, 2025 12:31:34 PM
Last Modified:	Thursday, June 26, 2025 12:37:17 PM
Time Spent:	00:05:42
IP Address:	75.180.46.157

Page 1: Survey Description

Q1

Contact Information

Name	**Valerie Enz**
Organization/Agency	**Village of Otway**
Title/Position	**Fiscal Officer**
Email Address	**otwayvillage@gmail.com**

Q2

For which community are you representing?If your community is not listed in the dropdown menu, please select Other. It will bring you to Scioto County's actions)

Village of Otway

Page 5: Mitigation Actions: Village of Otway

Q87

Adopt higher flood standards than NFIP minimums due to historical flood events and to reduce future damages

Completed

Q88

Adopt higher flood standards than NFIP minimums due to historical flood events and to reduce future damages (Flooding)

Respondent skipped this question

Q89

Anchor mobile homes and propane tanks (Multiple Hazards)

Completed

Q90

Anchor mobile homes and propane tanks (Multiple Hazards)

Respondent skipped this question

Q91

Construct Safe Rooms - Community (Multiple Hazards)

Completed

Q92

Construct Safe Rooms - Community (Multiple Hazards)

Respondent skipped this question

Q93

Create rental housing inspection and permit program (Multiple Hazards)

Completed

Q94

Create rental housing inspection and permit program (Multiple Hazards)

Respondent skipped this question

Q95

Encourage jurisdictions to establish zones/building codes to control landuse in at-risk areas (Multiple Hazards)

Completed

Q96

Encourage jurisdictions to establish zones/building codes to control landuse in at-risk areas (Multiple Hazards)

Respondent skipped this question

Q97

Establish community shelters (Multiple Hazards)

Completed

Q98

Establish community shelters (Multiple Hazards)

Respondent skipped this question

Q99

Mitigate structures in flood-prone areas (Multiple Hazards)

Completed

Q100

Mitigate structures in flood-prone areas (Multiple Hazards)

Respondent skipped this question

Q101

Reduce systematic problems caused by utility line ruptures (Multiple Hazards)

Completed

Q102

Reduce systematic problems caused by utility line ruptures (Multiple Hazards)

Respondent skipped this question

Q103

Remove debris in streams (Multiple Hazards)

Completed

Q104

Remove debris in streams (Multiple Hazards)

Respondent skipped this question

Page 9: Required Actions: All Jurisdictions

Q139

Required New Action: Work with all jurisdictions on filling in gaps and strengthening capabilities in enacting mitigation strategies.

Respondent skipped this question

Q140

Required New Action: Ensure all eligible jurisdictions are participating in the NFIP.

Respondent skipped this question

Q141

Required New Action: Ensure all high-hazard potential dams have updated Emergency Action Plans (EAPs) in place.

Respondent skipped this question

Q142

Required New Action: Obtain or create inundation maps for all dams.

Respondent skipped this question

Q143

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Respondent skipped this question

Page 10: New Actions

Q144

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Other (please specify): na

Q145

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Other (please specify): na

Q146

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Other (please specify): na

Q147

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Other (please specify): na

Q148

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Other (please specify): na

Q149

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Other (please specify): na

Q150

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Other (please specify): na

Q151

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Other (please specify): na

Q152

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Other (please specify): na

Q153

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Other (please specify): na

Q154

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Other (please specify): na

Q155

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Other (please specify): na

Q156

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Other (please specify): na

Q157

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Other (please specify): na

Q158

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Other (please specify):	na

NAME: Denise Rose | POSITION: Mayor - Otway

Hazard Priorities Survey

January 2025

Instructions:

1. Consider each hazard below.
2. Rate each hazard on a scale of 0 to 5 based on how important each hazard is to your community.
3. If a hazard should not be studied, give it a zero (0).
4. Provide any comments you would like to share regarding your selected ratings.

2020 Hazards	Priority Ratings (Circle One Score)					
	Do not Include	Lowest Priority	Low-Medium Priority	Medium Priority	Medium-High Priority	Highest Priority
1. Dam/Levee Failure	0	1	2	3	4	5
2. Drought and Extreme Heat	0	1	2	3	4	5
3. Earthquakes	0	1	2	3	4	5
4. Flooding	0	1	2	3	4	5
5. Invasive Species	0	1	2	3	4	5
6. Landslides and Land Subsidence	0	1	2	3	4	5
7. Severe Summer Weather	0	1	2	3	4	5
8. Severe Winter Weather	0	1	2	3	4	5
9. Tornadoes	0	1	2	3	4	5
10. Wildfire	0	1	2	3	4	5

NAME: Denise Rose | POSITION: Mayor - Otway

Village of Otway

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Adopt higher flood standards than NFIP minimums due to historical flood events and to reduce future damages.	Flooding	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☑Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Anchor mobile homes and propane tanks.	Multiple Hazards	☐Completed ☐Deleted ☑Deferred ☐Unchanged ☐Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Construct Safe Rooms – Community.	Multiple Hazards	☐Completed ☐Deleted ☑Deferred ☐Unchanged ☐Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

NAME: Denise Rose | POSITION: Mayor - Otway

Village of Otway

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Create rental housing inspection and permit program.	Multiple Hazards	☐Completed ☑Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective - 1 2 3 4 5 Technically Feasible - 1 2 3 4 5 Environmentally Sound - 1 2 3 4 5 Immediate Need - 1 2 3 4 5 Risk Reduction - 1 2 3 4 5
Additional Comments:				
Encourage jurisdictions to establish zones/building codes to control land use in at-risk areas.	Multiple Hazards	☐Completed ☐Deleted ☑Deferred ☐Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective - 1 2 3 4 5 Technically Feasible - 1 2 3 4 5 Environmentally Sound - 1 2 3 4 5 Immediate Need - 1 2 3 4 5 Risk Reduction - 1 2 3 4 5
Additional Comments:				
Establish community shelters.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☑Unchanged ☐Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective - 1 2 3 4 5 Technically Feasible - 1 2 3 4 5 Environmentally Sound - 1 2 3 4 5 Immediate Need - 1 2 3 4 5 Risk Reduction - 1 2 3 4 5
Additional Comments:				

NAME: Denise Rose | POSITION: Mayor - Otway

Village of Otway

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Mitigate structures in flood-prone areas.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☑Unchanged ☐Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Reduce systematic problems caused by utility line ruptures.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☑Unchanged ☐Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Remove debris in streams.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☑Unchanged ☐Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

Surveys:
Village of Rarden

#14

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Friday, June 13, 2025 8:35:01 AM
Last Modified:	Friday, June 13, 2025 8:52:47 AM
Time Spent:	00:17:45
IP Address:	74.136.193.142

Page 1: Survey Description

Q1

Contact Information

Name	**Ronald Syroney**
Organization/Agency	**Village of Rarden**
Title/Position	**Mayor**
Email Address	**sy1950@yahoo.com**

Q2

For which community are you representing?If your community is not listed in the dropdown menu, please select Other. It will bring you to Scioto County's actions)

Village of Rarden

Page 6: Mitigation Actions: Village of Rarden

Q105

Adopt higher flood standards than NFIP minimums due to historical flood events and to reduce future damages

Ongoing

Q106

Adopt higher flood standards than NFIP minimums due to historical flood events and to reduce future damages (Flooding)

Cost Effective	**1**
Technically Feasible	**2**
Environmentally Sound	**3**
Immediate Need	**3**
Risk Reduction	**3**
Comment::	The Village residents are below poverty these changes are costly

Q107 **Ongoing**

Anchor mobile homes and propane tanks (Multiple Hazards)

Q108

Anchor mobile homes and propane tanks (Multiple Hazards)

Cost Effective	**1**
Technically Feasible	**1**
Environmentally Sound	**3**
Immediate Need	**3**
Risk Reduction	**3**

Q109 **Ongoing**

Construct Safe Rooms - Community (Multiple Hazards)

Q110

Construct Safe Rooms - Community (Multiple Hazards)

Cost Effective	**1**
Technically Feasible	**1**
Environmentally Sound	**3**
Immediate Need	**3**
Risk Reduction	**3**

Q111 **Ongoing**

Create rental housing inspection and permit program (Multiple Hazards)

Q112

Create rental housing inspection and permit program (Multiple Hazards)

Cost Effective	**1**
Technically Feasible	**1**
Environmentally Sound	**2**
Immediate Need	**2**
Risk Reduction	**2**
Comment::	Village does not have paid employees

Q113 **Ongoing**

Encourage jurisdictions to establish zones/building codes to control landuse in at-risk areas (Multiple Hazards)

Q114

Encourage jurisdictions to establish zones/building codes to control landuse in at-risk areas (Multiple Hazards)

Cost Effective	**1**
Technically Feasible	**1**
Environmentally Sound	**2**
Immediate Need	**1**
Risk Reduction	**1**
Comment::	Village does not have funds to train and have paid postion

Q115 **Ongoing**

Establish community shelters (Multiple Hazards)

Q116

Establish community shelters (Multiple Hazards)

Cost Effective	**1**
Technically Feasible	**1**
Environmentally Sound	**2**
Immediate Need	**2**
Risk Reduction	**2**

Q117 **Ongoing**

Mitigate structures in flood-prone areas (Multiple Hazards)

Q118

Mitigate structures in flood-prone areas (Multiple Hazards)

Cost Effective	**1**
Technically Feasible	**1**
Environmentally Sound	**2**
Immediate Need	**2**
Risk Reduction	**2**

Q119 **Ongoing**

Reduce systematic problems caused by utility line ruptures (Multiple Hazards)

Q120

Reduce systematic problems caused by utility line ruptures (Multiple Hazards)

Cost Effective	**1**
Technically Feasible	**1**
Environmentally Sound	**2**
Immediate Need	**2**
Risk Reduction	**2**
Comment::	Village has no gas lines

Q121 **Ongoing**

Remove debris in streams (Multiple Hazards)

Q122

Remove debris in streams (Multiple Hazards)

Cost Effective	**1**
Technically Feasible	**1**
Environmentally Sound	**2**
Immediate Need	**2**
Risk Reduction	**2**

Page 9: Required Actions: All Jurisdictions

Q139

Required New Action: Work with all jurisdictions on filling in gaps and strengthening capabilities in enacting mitigation strategies.

Cost Effective	**1**
Technically Feasible	**1**
Environmentally Sound	**2**
Immediate Need	**2**
Risk Reduction	**2**

Q140

Required New Action: Ensure all eligible jurisdictions are participating in the NFIP.

Cost Effective	**1**
Technically Feasible	**2**
Environmentally Sound	**2**
Immediate Need	**2**
Risk Reduction	**2**

Q141

Required New Action: Ensure all high-hazard potential dams have updated Emergency Action Plans (EAPs) in place.

Cost Effective	**1**
Technically Feasible	**2**
Environmentally Sound	**2**
Immediate Need	**2**
Risk Reduction	**2**

Q142

Required New Action: Obtain or create inundation maps for all dams.

Cost Effective	**1**
Technically Feasible	**2**
Environmentally Sound	**2**
Immediate Need	**2**
Risk Reduction	**2**

Q143

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Cost Effective	**1**
Technically Feasible	**1**
Environmentally Sound	**2**
Immediate Need	**2**
Risk Reduction	**2**
Other (please specify):	The Village of Rarden proposes relocating the fire station from its current position in the floodplain to a site at a higher elevation. Additionally, I suggest converting the community center into a new fire station. This strategic initiative would provide a secure facility for the community in the event of a natural disaster, enhancing safety and preparedness.

Page 10: New Actions

Q144

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Cost Effective	**1**
Technically Feasible	**3**
Environmentally Sound	**3**
Immediate Need	**3**
Risk Reduction	**3**
Other (please specify):	The village needs to update its plans, but cannot afford the costs.

Q145

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Cost Effective	**1**
Technically Feasible	**2**
Environmentally Sound	**2**
Immediate Need	**2**
Risk Reduction	**2**
Other (please specify):	Flood Mitigation is our biggest threat

Q146

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Cost Effective	**1**
Technically Feasible	**2**
Environmentally Sound	**2**
Immediate Need	**2**
Risk Reduction	**2**
Other (please specify):	Flood Mitigation is our biggest threat

Q147

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Cost Effective	**1**
Technically Feasible	**2**
Environmentally Sound	**2**
Immediate Need	**2**
Risk Reduction	**2**

Q148

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Cost Effective	**1**
Technically Feasible	**2**
Environmentally Sound	**2**
Immediate Need	**2**
Risk Reduction	**2**

Q149

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Cost Effective	**1**
Technically Feasible	**2**
Environmentally Sound	**2**
Immediate Need	**2**
Risk Reduction	**2**

Q150

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Cost Effective	**1**
Technically Feasible	**2**
Environmentally Sound	**2**
Immediate Need	**2**
Risk Reduction	**2**

Q151

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Cost Effective	**1**
Technically Feasible	**2**
Environmentally Sound	**2**
Immediate Need	**2**
Risk Reduction	**2**

Q152

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Cost Effective	**1**
Technically Feasible	**2**
Environmentally Sound	**2**
Immediate Need	**2**
Risk Reduction	**2**

Q153

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Cost Effective	**1**
Technically Feasible	**2**
Environmentally Sound	**2**
Immediate Need	**2**
Risk Reduction	**2**

Q154

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Cost Effective	**1**
Technically Feasible	**2**
Environmentally Sound	**2**
Immediate Need	**2**
Risk Reduction	**2**

Q155

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Cost Effective	**1**
Technically Feasible	**2**
Environmentally Sound	**2**
Immediate Need	**2**
Risk Reduction	**2**

Q156

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Cost Effective	**1**
Technically Feasible	**2**
Environmentally Sound	**2**
Immediate Need	**2**
Risk Reduction	**2**

Q157

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Cost Effective	**1**
Technically Feasible	**2**
Environmentally Sound	**2**
Immediate Need	**2**
Risk Reduction	**2**

Q158

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Cost Effective	**1**
Technically Feasible	**2**
Environmentally Sound	**2**
Immediate Need	**2**
Risk Reduction	**2**

NAME: Ronald Syroney	POSITION: Rarden Village

Hazard Priorities Survey

January 2025

Instructions:

1. Consider each hazard below.
2. Rate each hazard on a scale of 0 to 5 based on how important each hazard is to your community.
3. If a hazard should not be studied, give it a zero (0).
4. Provide any comments you would like to share regarding your selected ratings.

2020 Hazards	Priority Ratings (Circle One Score)					
	Do not Include	Lowest Priority	Low-Medium Priority	Medium Priority	Medium-High Priority	Highest Priority
1. Dam/Levee Failure	0	1	2	3	4	5
2. Drought and Extreme Heat	0	1	2	3	4	5
3. Earthquakes	0	1	2	3	4	5
4. Flooding	0	1	2	3	4	5
5. Invasive Species	0	1	2	3	4	5
6. Landslides and Land Subsidence	0	1	2	3	4	5
7. Severe Summer Weather	0	1	2	3	4	5
8. Severe Winter Weather	0	1	2	3	4	5
9. Tornadoes	0	1	2	3	4	5
10. Wildfire	0	1	2	3	4	5

NAME: Ronald L. Syroney | POSITION: Mayor

Village of Rarden

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Adopt higher flood standards than NFIP minimums due to historical flood events and to reduce future damages.	Flooding	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☑Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Anchor mobile homes and propane tanks.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☑Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Construct Safe Rooms – Community.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☑Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				

NAME: Ronald L Spronny | POSITION: Mayor

Village of Rarden

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Create rental housing inspection and permit program.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☑Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Encourage jurisdictions to establish zones/building codes to control land use in at-risk areas.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☑Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Establish community shelters.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☑Ongoing	When: ____ Why: ____ Why: ____ Why: ____ % Complete: ____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments: Like to move fire station out of flood plain to assist in creating a community shelter				

NAME: Ronald Sypowy | POSITION: Mayor

Village of Rarden

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Mitigate structures in flood-prone areas.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☑Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Reduce systematic problems caused by utility line ruptures.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☑Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments:				
Remove debris in streams.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☑Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments: Rarden is in Flood zone A				

Surveys: Village of South Webster

#22

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Friday, May 30, 2025 8:09:07 AM
Last Modified:	Friday, May 30, 2025 8:13:35 AM
Time Spent:	00:04:27
IP Address:	96.29.242.148

Page 1: Survey Instructions

Q1

Name and Organization

Name	**John Hollback**
Organization/Agency	**Village of South Webster**
Title/Position	**Mayor**
Email Address	**thollback@gmail.com**

Q2

What Jurisdiction are answering for?

Village of South Webster

Page 2: Hazard Priorities

Q3

Hazards included in 2020 Plan

1. Dam/Levee Failure	**Do not include**
2. Drought and Extreme Heat	**Lowest Priority**
3. Earthquakes	**Low-Medium Priority**
4. Flooding	**Medium-High Priority**
5. Invasive Species	**Lowest Priority**
6. Landslides and Land Subsidence	**Low-Medium Priority**
7. Severe Summer Weather	**Medium-High Priority**
8. Severe Winter Weather	**Medium-High Priority**
9. Tornadoes	**Highest Priority**
10. Wildfire	**Medium Priority**

Q4

Please consider the following and provide any additional comments: Please consider how the hazards are grouped - Should any be made into separate categories or grouped differently? Are there any hazards not listed that you would like to see included in the 2025 Plan? Any additional comments.

Our stormwater infrastructure in the village is badly deteriorated and this results in flooding problems during sustained severe weather.

Page 3: Survey Complete!

Q5 **Respondent skipped this question**

General Comments

#7

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Friday, February 21, 2025 10:14:22 AM
Last Modified:	Friday, February 21, 2025 10:26:32 AM
Time Spent:	00:12:09
IP Address:	208.122.68.126

Page 1: Survey Description

Q1

Contact Information

Name	**Marc Kreischer**
Organization/Agency	**Bloom-Vernon Local**
Title/Position	**Superintendent**
Email Address	**marc.kreischer@bvjeeps.org**

Q2

For which community are you representing?If your community is not listed in the dropdown menu, please select Other. It will bring you to Scioto County's actions)

Village of South Webster

Page 7: Mitigation Actions: Village of South Webster

Q123

Adopt higher flood standards than NFIP minimums due to historical flood events and to reduce future damages

Ongoing

Q124

Adopt higher flood standards than NFIP minimums due to historical flood events and to reduce future damages (Flooding)

Cost Effective	**5**
Technically Feasible	**5**
Environmentally Sound	**4**
Immediate Need	**3**
Risk Reduction	**4**

Q125

Anchor mobile homes and propane tanks (Multiple Hazards)

Respondent skipped this question

Q126

Anchor mobile homes and propane tanks (Multiple Hazards)

Respondent skipped this question

Q127

Construct Safe Rooms - Community (Multiple Hazards)

Respondent skipped this question

Q128

Construct Safe Rooms - Community (Multiple Hazards)

Respondent skipped this question

Q129

Create rental housing inspection and permit program (Multiple Hazards)

Respondent skipped this question

Q130

Create rental housing inspection and permit program (Multiple Hazards)

Respondent skipped this question

Q131

Establish community shelters (Multiple Hazards)

Respondent skipped this question

Q132

Establish community shelters (Multiple Hazards)

Respondent skipped this question

Q133

Mitigate structures in flood-prone areas (Multiple Hazards)

Ongoing

Q134

Mitigate structures in flood-prone areas (Multiple Hazards)

Cost Effective	**5**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**3**
Risk Reduction	**4**

Q135

Reduce systematic problems caused by utility line ruptures (Multiple Hazards)

Ongoing

Q136

Reduce systematic problems caused by utility line ruptures (Multiple Hazards)

Respondent skipped this question

Q137

Remove debris in streams (Multiple Hazards)

Ongoing

Q138

Remove debris in streams (Multiple Hazards)

Cost Effective	**5**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**2**
Risk Reduction	**3**

Page 9: Required Actions: All Jurisdictions

Q139

Required New Action: Work with all jurisdictions on filling in gaps and strengthening capabilities in enacting mitigation strategies.

Respondent skipped this question

Q140

Required New Action: Ensure all eligible jurisdictions are participating in the NFIP.

Respondent skipped this question

Q141

Required New Action: Ensure all high-hazard potential dams have updated Emergency Action Plans (EAPs) in place.

Respondent skipped this question

Q142

Required New Action: Obtain or create inundation maps for all dams.

Respondent skipped this question

Q143

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Page 10: New Actions

Q144

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q145

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q146

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q147

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q148

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q149

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q150

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q151

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q152

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q153

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q154

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q155

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q156

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q157

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q158

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

#13

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Friday, May 30, 2025 8:14:46 AM
Last Modified:	Friday, May 30, 2025 8:23:31 AM
Time Spent:	00:08:45
IP Address:	96.29.242.148

Page 1: Survey Description

Q1

Contact Information

Name	**John Hollback**
Organization/Agency	**Village of South Webster**
Title/Position	**Mayor**
Email Address	**thollback@gmail.com**

Q2

For which community are you representing?If your community is not listed in the dropdown menu, please select Other. It will bring you to Scioto County's actions)

Village of South Webster

Page 7: Mitigation Actions: Village of South Webster

Q123

Adopt higher flood standards than NFIP minimums due to historical flood events and to reduce future damages

Ongoing

Q124

Adopt higher flood standards than NFIP minimums due to historical flood events and to reduce future damages (Flooding)

Cost Effective	**3**
Technically Feasible	**1**
Environmentally Sound	**3**
Immediate Need	**3**
Risk Reduction	**3**

Q125 **Ongoing**

Anchor mobile homes and propane tanks (Multiple Hazards)

Q126

Anchor mobile homes and propane tanks (Multiple Hazards)

Cost Effective	**5**
Technically Feasible	**5**
Environmentally Sound	**3**
Immediate Need	**3**
Risk Reduction	**5**

Q127 **Ongoing**

Construct Safe Rooms - Community (Multiple Hazards)

Q128

Construct Safe Rooms - Community (Multiple Hazards)

Cost Effective	**2**
Technically Feasible	**1**
Environmentally Sound	**3**
Immediate Need	**2**
Risk Reduction	**4**

Q129 **Deleted**

Create rental housing inspection and permit program (Multiple Hazards)

Q130

Create rental housing inspection and permit program (Multiple Hazards)

Cost Effective	**1**
Technically Feasible	**2**
Environmentally Sound	**3**
Immediate Need	**1**
Risk Reduction	**3**

Q131 **Ongoing**

Establish community shelters (Multiple Hazards)

Q132

Establish community shelters (Multiple Hazards)

Cost Effective	**1**
Technically Feasible	**3**
Environmentally Sound	**3**
Immediate Need	**3**
Risk Reduction	**4**

Q133 **Deleted**

Mitigate structures in flood-prone areas (Multiple Hazards)

Q134 **Respondent skipped this question**

Mitigate structures in flood-prone areas (Multiple Hazards)

Q135 **Ongoing**

Reduce systematic problems caused by utility line ruptures (Multiple Hazards)

Q136

Reduce systematic problems caused by utility line ruptures (Multiple Hazards)

Cost Effective	**1**
Technically Feasible	**1**
Environmentally Sound	**3**
Immediate Need	**2**
Risk Reduction	**3**

Q137 **Ongoing**

Remove debris in streams (Multiple Hazards)

Q138

Remove debris in streams (Multiple Hazards)

Cost Effective	**5**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**4**
Risk Reduction	**3**

Page 9: Required Actions: All Jurisdictions

Q139

Required New Action: Work with all jurisdictions on filling in gaps and strengthening capabilities in enacting mitigation strategies.

Cost Effective	**4**
Technically Feasible	**3**
Environmentally Sound	**3**
Immediate Need	**3**
Risk Reduction	**3**

Q140

Required New Action: Ensure all eligible jurisdictions are participating in the NFIP.

Cost Effective	**3**
Technically Feasible	**3**
Environmentally Sound	**3**
Immediate Need	**3**
Risk Reduction	**3**

Q141

Required New Action: Ensure all high-hazard potential dams have updated Emergency Action Plans (EAPs) in place.

Cost Effective	**3**
Technically Feasible	**3**
Environmentally Sound	**3**
Immediate Need	**3**
Risk Reduction	**3**

Q142

Required New Action: Obtain or create inundation maps for all dams.

Cost Effective	**3**
Technically Feasible	**3**
Environmentally Sound	**3**
Immediate Need	**3**
Risk Reduction	**3**

Q143

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Page 10: New Actions

Q144

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q145

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q146

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q147

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q148

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q149

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q150

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q151

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q152

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q153

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q154

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q155

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q156

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q157

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q158

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Surveys: Townships

#21

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Friday, January 17, 2025 8:02:38 AM
Last Modified:	Friday, January 17, 2025 8:04:00 AM
Time Spent:	00:01:21
IP Address:	208.122.84.253

Page 1: Survey Instructions

Q1

Name and Organization

Name	**Kyle Copley**
Organization/Agency	**SCCTC**
Title/Position	**Superintendent**
Email Address	**kyle.copley@sciototech.org**

Q2

What Jurisdiction are answering for?

Valley Townshipo

Page 2: Hazard Priorities

Q3

Hazards included in 2020 Plan

1. Dam/Levee Failure	**Highest Priority**
2. Drought and Extreme Heat	**Highest Priority**
3. Earthquakes	**Lowest Priority**
4. Flooding	**Highest Priority**
5. Invasive Species	**Low-Medium Priority**
6. Landslides and Land Subsidence	**Highest Priority**
7. Severe Summer Weather	**Highest Priority**
8. Severe Winter Weather	**Highest Priority**
9. Tornadoes	**Highest Priority**
10. Wildfire	**Highest Priority**

Q4

Please consider the following and provide any additional comments: Please consider how the hazards are grouped - Should any be made into separate categories or grouped differently? Are there any hazards not listed that you would like to see included in the 2025 Plan? Any additional comments.

Respondent skipped this question

Page 3: Survey Complete!

Q5

General Comments

Respondent skipped this question

#26

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Thursday, February 20, 2025 1:26:28 PM
Last Modified:	Thursday, February 20, 2025 1:31:51 PM
Time Spent:	00:05:22
IP Address:	166.216.159.196

Page 1: Survey Instructions

Q1

Name and Organization

Name	**Anthony Shy**
Organization/Agency	**Washington Twp. Fire Dept.**
Title/Position	**Fire Chief**
Email Address	**Butch_73@hotmail.com**

Q2

For which community are you responding?

Washington Township

Page 2: Goals Survey

Q3

Reduce or eliminate impact of hazards on public safety, lives, property, and infrastructure.

	(no label)
Increase survivability of emergency communications.	**Include**
Plan for safe development.	**Include**
Create self-sufficiency.	**Include**
Plan for safe development.	**Include**
Increase public awareness.	**Include**

Q4

New Goals: Please provide any goals or objectives you would like included in the Plan.

New Goal 1	**Provide designated area for the public to drop off brush in each township for disposal to prevent burning at home, possibly causing wildfires, and also keep it from ending up in streams and clogging them**
New Goal 2	**Help provide equipment for townships to manage the brush dropped off**
New Goal 3	**Manage the Erie Canal to help prevent flooding on state route 104**

Q5

Please provide any additional comments related to these goals in the space below.

Respondent skipped this question

Page 3: Survey Complete!

Q6

General Comments

Respondent skipped this question

#6

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Friday, February 21, 2025 9:45:49 AM
Last Modified:	Friday, February 21, 2025 9:54:43 AM
Time Spent:	00:08:53
IP Address:	208.122.84.253

Page 1: Survey Description

Q1

Contact Information

Name	**Kyle Copley**
Organization/Agency	**SCCTC**
Title/Position	**Superintendent**
Email Address	**kyle.copley@sciototech.org**

Q2

For which community are you representing?If your community is not listed in the dropdown menu, please select Other. It will bring you to Scioto County's actions)

Valley Township

Page 2: Mitigation Actions: Scioto County

Q3

Adopt higher flood standards than NFIP minimums due to historical flood events and to reduce future damages

Ongoing

Q4

Adopt higher flood standards than NFIP minimums due to historical flood events and to reduce future damages (Flooding)

Cost Effective	**5**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**2**
Risk Reduction	**5**

Q5 **Ongoing**

Conduct a hydrologic and hydraulic (H&H) study of Scioto County (Flooding)

Q6

Conduct a hydrologic and hydraulic (H&H) study of Scioto County (Flooding)

Cost Effective	**5**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**2**
Risk Reduction	**5**

Q7 **Ongoing**

Reduce erosion of streams. (Flooding)

Q8

Reduce erosion of streams. (Flooding)

Cost Effective	**5**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**5**
Risk Reduction	**5**

Q9 **Ongoing**

Identify/resolve potential landslide locations (Landslides and Land Subsidence)

Q10

Identify/resolve potential landslide locations (Landslides and Land Subsidence)

Cost Effective	**5**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**2**
Risk Reduction	**5**

Q11 **Ongoing**

Anchor mobile homes and propane tanks (Multiple Hazards)

Q12

Anchor mobile homes and propane tanks (Multiple Hazards)

Cost Effective	**5**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**5**
Risk Reduction	**5**

Q13 **Ongoing**

Construct Safe Rooms - Community (Multiple Hazards)

Q14

Construct Safe Rooms - Community (Multiple Hazards)

Cost Effective	**5**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**1**
Risk Reduction	**5**

Q15 **Ongoing**

Construct Safe Rooms - Residential (Multiple Hazards)

Q16

Construct Safe Rooms - Residential (Multiple Hazards)

Cost Effective	**5**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**1**
Risk Reduction	**5**

Q17 **Ongoing**

Create rental housing inspection and permit program (Multiple Hazards)

Q18

Create rental housing inspection and permit program (Multiple Hazards)

Cost Effective	**5**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**5**
Risk Reduction	**5**

Q19 **Ongoing**

Develop and implement an all-hazards public education program (Multiple Hazards)

Q20

Develop and implement an all-hazards public education program (Multiple Hazards)

Cost Effective	**5**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**1**
Risk Reduction	**5**

Q21 **Ongoing**

Encourage jurisdictions to establish zones/building codes to control landuse in at-risk areas (Multiple Hazards)

Q22

Encourage jurisdictions to establish zones/building codes to control landuse in at-risk areas (Multiple Hazards)

Cost Effective	**5**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**5**
Risk Reduction	**5**

Q23 **Ongoing**

Enhance public warning systems. (Multiple Hazards)

Q24

Enhance public warning systems. (Multiple Hazards)

Cost Effective	**5**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**2**
Risk Reduction	**5**

Q25 **Ongoing**

Establish community shelters (Multiple Hazards)

Q26

Establish community shelters (Multiple Hazards)

Cost Effective	**5**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**2**
Risk Reduction	**5**

Q27 **Ongoing**

Install generators at critical facilities (Multiple Hazards)

Q28

Install generators at critical facilities (Multiple Hazards)

Cost Effective	**5**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**5**
Risk Reduction	**5**

Q29 **Ongoing**

Increase rural broadband coverage (Multiple Hazards)

Q30

Increase rural broadband coverage (Multiple Hazards)

Cost Effective	**5**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**5**
Risk Reduction	**5**

Q31 **Ongoing**

Mitigate structures in flood-prone areas (Multiple Hazards)

Q32

Mitigate structures in flood-prone areas (Multiple Hazards)

Cost Effective	**5**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**5**
Risk Reduction	**5**

Q33 **Ongoing**

Purchase stock of PPE for first responders (Multiple Hazards)

Q34

Purchase stock of PPE for first responders (Multiple Hazards)

Cost Effective	**5**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**2**
Risk Reduction	**5**

Q35 **Ongoing**

Rehabilitate dams known to be of high hazard (Multiple Hazards)

Q36

Rehabilitate dams known to be of high hazard (Multiple Hazards)

Cost Effective	**5**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**5**
Risk Reduction	**5**

Q37 **Ongoing**

Remove debris in streams (Multiple Hazards)

Q38

Remove debris in streams (Multiple Hazards)

Cost Effective	**5**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**5**
Risk Reduction	**5**

Q39 **Ongoing**

Update dam Emergency Action Plans; update inundation data for dams without EAPs or no current inundation data (Multiple Hazards)

Q40

Update dam Emergency Action Plans; update inundation data for dams without EAPs or no current inundation data (Multiple Hazards)

Cost Effective	**5**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**3**
Risk Reduction	**5**

Q41	Ongoing
Upgrade undersized/establish storm water drainage systems (Multiple Hazards)	

Q42

Upgrade undersized/establish storm water drainage systems (Multiple Hazards)

Cost Effective	**5**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**5**
Risk Reduction	**5**

Page 9: Required Actions: All Jurisdictions

Q139

Required New Action: Work with all jurisdictions on filling in gaps and strengthening capabilities in enacting mitigation strategies.

Cost Effective	**5**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**4**
Risk Reduction	**5**

Q140

Required New Action: Ensure all eligible jurisdictions are participating in the NFIP.

Cost Effective	**5**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**5**
Risk Reduction	**5**

Q141

Required New Action: Ensure all high-hazard potential dams have updated Emergency Action Plans (EAPs) in place.

Cost Effective	**5**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**5**
Risk Reduction	**5**

Q142

Required New Action: Obtain or create inundation maps for all dams.

Cost Effective	**5**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**3**
Risk Reduction	**5**

Q143

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Page 10: New Actions

Q144

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q145

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q146

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q147

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q148

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q149

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q150

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q151

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q152

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q153

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q154

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q155

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q156

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q157

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q158

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

#12

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Monday, February 24, 2025 7:04:39 AM
Last Modified:	Tuesday, March 04, 2025 10:45:21 AM
Time Spent:	Over a week
IP Address:	208.122.89.126

Page 1: Survey Description

Q1

Contact Information

Name	**Alex Prater**
Organization/Agency	**Wheelersburg Local School District**
Title/Position	**Director of Operations/Safety**
Email Address	**alex.prater@wheelersburg.net**

Q2

For which community are you representing?If your community is not listed in the dropdown menu, please select Other. It will bring you to Scioto County's actions)

Porter Township

Page 2: Mitigation Actions: Scioto County

Q3

Adopt higher flood standards than NFIP minimums due to historical flood events and to reduce future damages

Ongoing

Q4

Adopt higher flood standards than NFIP minimums due to historical flood events and to reduce future damages (Flooding)

Cost Effective	**3**
Technically Feasible	**3**
Environmentally Sound	**3**
Immediate Need	**3**
Risk Reduction	**3**

Q5 **Ongoing**

Conduct a hydrologic and hydraulic (H&H) study of Scioto County (Flooding)

Q6

Conduct a hydrologic and hydraulic (H&H) study of Scioto County (Flooding)

Cost Effective	**3**
Technically Feasible	**3**
Environmentally Sound	**3**
Immediate Need	**3**
Risk Reduction	**3**

Q7 **Ongoing**

Reduce erosion of streams. (Flooding)

Q8

Reduce erosion of streams. (Flooding)

Cost Effective	**2**
Technically Feasible	**5**
Environmentally Sound	**5**
Immediate Need	**5**
Risk Reduction	**5**

Q9 **Ongoing**

Identify/resolve potential landslide locations (Landslides and Land Subsidence)

Q10

Identify/resolve potential landslide locations (Landslides and Land Subsidence)

Cost Effective	**1**
Technically Feasible	**3**
Environmentally Sound	**3**
Immediate Need	**4**
Risk Reduction	**5**

Q11 Anchor mobile homes and propane tanks (Multiple Hazards)	**Deleted**
Q12 Anchor mobile homes and propane tanks (Multiple Hazards)	**Respondent skipped this question**
Q13 Construct Safe Rooms - Community (Multiple Hazards)	**Deleted**
Q14 Construct Safe Rooms - Community (Multiple Hazards)	**Respondent skipped this question**
Q15 Construct Safe Rooms - Residential (Multiple Hazards)	**Deleted**
Q16 Construct Safe Rooms - Residential (Multiple Hazards)	**Respondent skipped this question**
Q17 Create rental housing inspection and permit program (Multiple Hazards)	**Deleted**
Q18 Create rental housing inspection and permit program (Multiple Hazards)	**Respondent skipped this question**
Q19 Develop and implement an all-hazards public education program (Multiple Hazards)	**Ongoing**

Q20

Develop and implement an all-hazards public education program (Multiple Hazards)

Cost Effective	**4**
Technically Feasible	**5**
Environmentally Sound	**3**
Immediate Need	**3**
Risk Reduction	**4**

Q21

Encourage jurisdictions to establish zones/building codes to control landuse in at-risk areas (Multiple Hazards)

Deleted

Q22

Encourage jurisdictions to establish zones/building codes to control landuse in at-risk areas (Multiple Hazards)

Respondent skipped this question

Q23

Enhance public warning systems. (Multiple Hazards)

Completed

Q24

Enhance public warning systems. (Multiple Hazards)

Respondent skipped this question

Q25

Establish community shelters (Multiple Hazards)

Deleted

Q26

Establish community shelters (Multiple Hazards)

Respondent skipped this question

Q27

Install generators at critical facilities (Multiple Hazards)

Completed

Q28

Install generators at critical facilities (Multiple Hazards)

Respondent skipped this question

Q29

Increase rural broadband coverage (Multiple Hazards)

Ongoing

Q30

Increase rural broadband coverage (Multiple Hazards)

Cost Effective	**3**
Technically Feasible	**4**
Environmentally Sound	**3**
Immediate Need	**5**
Risk Reduction	**5**

Q31 **Ongoing**

Mitigate structures in flood-prone areas (Multiple Hazards)

Q32

Mitigate structures in flood-prone areas (Multiple Hazards)

Cost Effective	**1**
Technically Feasible	**1**
Environmentally Sound	**3**
Immediate Need	**5**
Risk Reduction	**5**

Q33 **Ongoing**

Purchase stock of PPE for first responders (Multiple Hazards)

Q34

Purchase stock of PPE for first responders (Multiple Hazards)

Cost Effective	**3**
Technically Feasible	**3**
Environmentally Sound	**3**
Immediate Need	**5**
Risk Reduction	**5**

Q35 **Completed**

Rehabilitate dams known to be of high hazard (Multiple Hazards)

Q36

Rehabilitate dams known to be of high hazard (Multiple Hazards)

Respondent skipped this question

Q37

Remove debris in streams (Multiple Hazards)

Ongoing

Q38

Remove debris in streams (Multiple Hazards)

Cost Effective	**3**
Technically Feasible	**3**
Environmentally Sound	**4**
Immediate Need	**5**
Risk Reduction	**5**

Q39

Update dam Emergency Action Plans; update inundation data for dams without EAPs or no current inundation data (Multiple Hazards)

Ongoing

Q40

Update dam Emergency Action Plans; update inundation data for dams without EAPs or no current inundation data (Multiple Hazards)

Cost Effective	**2**
Technically Feasible	**3**
Environmentally Sound	**3**
Immediate Need	**4**
Risk Reduction	**4**

Q41

Upgrade undersized/establish storm water drainage systems (Multiple Hazards)

Ongoing

Q42

Upgrade undersized/establish storm water drainage systems (Multiple Hazards)

Cost Effective	**2**
Technically Feasible	**2**
Environmentally Sound	**3**
Immediate Need	**5**
Risk Reduction	**5**

Page 9: Required Actions: All Jurisdictions

Q139

Required New Action: Work with all jurisdictions on filling in gaps and strengthening capabilities in enacting mitigation strategies.

Cost Effective	**4**
Technically Feasible	**4**
Environmentally Sound	**4**
Immediate Need	**4**
Risk Reduction	**4**

Q140

Required New Action: Ensure all eligible jurisdictions are participating in the NFIP.

Cost Effective	**1**
Technically Feasible	**1**
Environmentally Sound	**3**
Immediate Need	**3**
Risk Reduction	**3**

Q141

Required New Action: Ensure all high-hazard potential dams have updated Emergency Action Plans (EAPs) in place.

Cost Effective	**2**
Technically Feasible	**4**
Environmentally Sound	**5**
Immediate Need	**5**
Risk Reduction	**5**

Q142

Required New Action: Obtain or create inundation maps for all dams.

Cost Effective	**1**
Technically Feasible	**3**
Environmentally Sound	**3**
Immediate Need	**3**
Risk Reduction	**3**

Q143

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Page 10: New Actions

Q144

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q145

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q146

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q147

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q148

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q149

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q150

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q151

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q152

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q153

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q154

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q155

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q156

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q157

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

Q158

Here is your chance to draft a new action. Please type out your action in the other box below and score the action. (Be sure to mention what hazard your action will mitigate)

Respondent skipped this question

#11

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Thursday, January 09, 2025 12:29:58 PM
Last Modified:	Thursday, January 09, 2025 12:47:59 PM
Time Spent:	00:18:00
IP Address:	24.33.193.160

Page 1: Survey Instructions

Q1

Name and Organization

Name	**George Moore**
Organization/Agency	**Green Twp. Vol. Fire Dept.**
Title/Position	**Chief**
Email Address	**green.fire.dept@gmail.com**

Q2

For which community are you responding?

Green Township

Page 2: Goals Survey

Q3

Reduce or eliminate impact of hazards on public safety, lives, property, and infrastructure.

	(no label)
Increase survivability of emergency communications.	**Include**
Plan for safe development.	**Do Not Include**
Create self-sufficiency.	**Include**
Plan for safe development.	**Do Not Include**
Increase public awareness.	**Include**

Q4

New Goals: Please provide any goals or objectives you would like included in the Plan.

New Goal 1	**Mutual aid agreements between all First Responder Agencies. Supported by group agency training.**
New Goal 2	**Floodplain protection: Clean streams/creeks to help prevent flash flooding.**
New Goal 3	**Planning and Zoning**

Q5

Please provide any additional comments related to these goals in the space below.

Respondent skipped this question

Page 3: Survey Complete!

Q6

General Comments

Respondent skipped this question

#16

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Monday, January 13, 2025 10:14:53 AM
Last Modified:	Monday, January 13, 2025 10:20:12 AM
Time Spent:	00:05:18
IP Address:	96.29.229.217

Page 1: Survey Instructions

Q1

Name and Organization

Name	**James "Mike"Mershon**
Organization/Agency	**Porter Trustees**
Title/Position	**Service and Safety Director**
Email Address	**mike.mershon@portertwp.com**

Q2

For which community are you responding?

Porter Township

Page 2: Goals Survey

Q3

Reduce or eliminate impact of hazards on public safety, lives, property, and infrastructure.

	(no label)
Increase survivability of emergency communications.	**Include**
Plan for safe development.	**Include**
Create self-sufficiency.	**Include**
Plan for safe development.	**Include**
Increase public awareness.	**Include**

Q4

New Goals: Please provide any goals or objectives you would like included in the Plan.

New Goal 1	**Come up with a way to control the amount and locations of rehab facilities.**

Q5

Please provide any additional comments related to these goals in the space below.

Porter Township like I'm sure everywhere else seems like we have a new rehab facility or rehab group home pop up every week.

Page 3: Survey Complete!

Q6

General Comments

Respondent skipped this question

#15

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Monday, January 13, 2025 9:46:51 AM
Last Modified:	Monday, January 13, 2025 9:51:19 AM
Time Spent:	00:04:28
IP Address:	75.180.57.217

Page 1: Survey Instructions

Q1

Name and Organization

Name	**Leah Willis**
Organization/Agency	**Porter Township Rescue**
Title/Position	**EMS Supervisor**
Email Address	**porterems@portertwp.com**

Q2

For which community are you responding?

Porter Township

Page 2: Goals Survey

Q3

Reduce or eliminate impact of hazards on public safety, lives, property, and infrastructure.

	(no label)
Increase survivability of emergency communications.	**Include**
Plan for safe development.	**Include**
Create self-sufficiency.	**Include**
Plan for safe development.	**Include**
Increase public awareness.	**Include**

Q4

New Goals: Please provide any goals or objectives you would like included in the Plan.

New Goal 1	**Improved Communication for First Responders**

Q5

Please provide any additional comments related to these goals in the space below.

Respondent skipped this question

Page 3: Survey Complete!

Q6

General Comments

Respondent skipped this question

#7

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Tuesday, January 07, 2025 10:42:40 AM
Last Modified:	Tuesday, January 07, 2025 10:46:26 AM
Time Spent:	00:03:46
IP Address:	74.126.65.147

Page 1: Survey Instructions

Q1

Name and Organization

Name	**LISA BUCKLE**
Organization/Agency	**JEFFERSON TOWNSHIP SCIOTO CO**
Title/Position	**Fiscal Officer**
Email Address	**JEFFERSONSCIOTO@GMAIL.COM**

Q2

For which community are you responding?

Jefferson Township

Page 2: Goals Survey

Q3

Reduce or eliminate impact of hazards on public safety, lives, property, and infrastructure.

	(no label)
Increase survivability of emergency communications.	**Include**
Plan for safe development.	**Include**
Create self-sufficiency.	**Include**
Plan for safe development.	**Include**
Increase public awareness.	**Include**

Q4

New Goals: Please provide any goals or objectives you would like included in the Plan.

Respondent skipped this question

Q5

Please provide any additional comments related to these goals in the space below.

Nothing to add

Page 3: Survey Complete!

Q6

Respondent skipped this question

General Comments

#23

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Thursday, January 16, 2025 4:18:32 PM
Last Modified:	Thursday, January 16, 2025 4:21:45 PM
Time Spent:	00:03:13
IP Address:	107.115.108.19

Page 1: Survey Instructions

Q1

Name and Organization

Name	**Matt Taylor**
Organization/Agency	**Nile Twp. FD**
Title/Position	**Chief**
Email Address	**nilechief@gmail.com**

Q2

For which community are you responding?

Nile Township

Page 2: Goals Survey

Q3

Reduce or eliminate impact of hazards on public safety, lives, property, and infrastructure.

	(no label)
Increase survivability of emergency communications.	**Include**
Plan for safe development.	**Include**
Create self-sufficiency.	**Include**
Plan for safe development.	**Include**
Increase public awareness.	**Include**

Q4

New Goals: Please provide any goals or objectives you would like included in the Plan.

Respondent skipped this question

Q5

Please provide any additional comments related to these goals in the space below.

Respondent skipped this question

Page 3: Survey Complete!

Q6

General Comments

Respondent skipped this question

#11

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Thursday, January 09, 2025 12:48:52 PM
Last Modified:	Thursday, January 09, 2025 12:52:31 PM
Time Spent:	00:03:38
IP Address:	24.33.193.160

Page 1: Survey Instructions

Q1

Name and Organization

Name	**George Moore**
Organization/Agency	**Green Twp. Vol. Fire Dept.**
Title/Position	**Chief**
Email Address	**green.fire.dept@gmail.com**

Q2

What Jurisdiction are answering for?

Green Township

Page 2: Hazard Priorities

Q3

Hazards included in 2020 Plan

2. Drought and Extreme Heat	**Lowest Priority**
3. Earthquakes	**Low-Medium Priority**
4. Flooding	**Highest Priority**
5. Invasive Species	**Lowest Priority**
6. Landslides and Land Subsidence	**Lowest Priority**
7. Severe Summer Weather	**Medium Priority**
8. Severe Winter Weather	**Medium-High Priority**
9. Tornadoes	**Medium-High Priority**
10. Wildfire	**Medium-High Priority**

Q4

Please consider the following and provide any additional comments: Please consider how the hazards are grouped - Should any be made into separate categories or grouped differently? Are there any hazards not listed that you would like to see included in the 2025 Plan? Any additional comments.

Respondent skipped this question

Page 3: Survey Complete!

Q5

General Comments

Respondent skipped this question

NAME: GEORGE L. MOORE | POSITION: FIRE CHIEF

Green Township

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Identify/resolve potential landslide locations.	Landslides and Land Subsidence	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☒Ongoing	When: 2020 Why: CONTINUES TO SLIP Why: Why: % Complete: 50 %	Cost Effective – 1 2 (3) 4 5 Technically Feasible – 1 2 (3) 4 5 Environmentally Sound – 1 2 (3) 4 5 Immediate Need – 1 (2) 3 4 5 Risk Reduction – 1 (2) 3 4 5
Additional Comments:				
Anchor mobile homes and propane tanks.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☒Unchanged ☐Ongoing	When: 2025 Why: Why: Why: % Complete: 0	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5
Additional Comments: NOTHING HAS BEEN DONE IN TOWNSHIP				
Construct Safe Rooms – Community.	Multiple Hazards	☒Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: 2023 Why: WING OF NEW SCHOOL Why: BUILT TO WITHSTAND Why: LEVEL 4 STORM % Complete: 100 %	Cost Effective – 1 2 3 4 (5) Technically Feasible – 1 2 3 4 (5) Environmentally Sound – 1 2 3 4 (5) Immediate Need – 1 2 3 4 (5) Risk Reduction – 1 2 3 4 (5)
Additional Comments: —				

NAME: George L. Moore | POSITION: Fire Chief

Green Township

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Establish community shelters.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☒Unchanged ☐Ongoing	When: 2025 Why: Why: Why: % Complete:	Cost Effective - 1 2 (3) 4 5 Technically Feasible - 1 2 (3) 4 5 Environmentally Sound - 1 2 (3) 4 5 Immediate Need - 1 2 3 4 (5) Risk Reduction - 1 2 3 4 (5)
Additional Comments: Add Generator To Senior Citizens Buildings				
Increase rural broadband coverage.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☒Unchanged ☐Ongoing	When: 2025 Why: Why: Why: % Complete:	Cost Effective - 1 2 3 4 (5) Technically Feasible - (1) 2 3 4 5 Environmentally Sound - (1) 2 3 4 5 Immediate Need - 1 2 3 4 (5) Risk Reduction - 1 2 3 4 (5)
Additional Comments: Progress should be driven by County Commissioners				
Mitigate structures in flood-prone areas.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☐Unchanged ☐Ongoing	When: Why: Why: Why: % Complete:	Cost Effective - 1 2 3 4 5 Technically Feasible - 1 2 3 4 5 Environmentally Sound - 1 2 3 4 5 Immediate Need - 1 2 3 4 5 Risk Reduction - 1 2 3 4 5
Additional Comments:				

NAME: George L. Moore | POSITION: Fire Chief

Green Township

Mitigation Action (Strategy)	Risk	Status	Remarks	Ranking
Remove debris in streams.	Multiple Hazards	☐Completed ☐Deleted ☐Deferred ☒Unchanged ☐Ongoing	When: 2025 Why: NOT DEVELOPED A PROGRAM Why: AS YET. Why: % Complete:	Cost Effective – 1 2 3 4 5 Technically Feasible – 1 2 3 4 5 Environmentally Sound – 1 2 3 4 5 Immediate Need – 1 2 3 4 5 Risk Reduction – 1 2 3 4 5

Additional Comments: NOT AWARE OF ANY PLANNING FROM COUNTY LEVEL OR TOWNSHIP LEVEL

#15

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Monday, January 13, 2025 10:20:35 AM
Last Modified:	Monday, January 13, 2025 10:22:31 AM
Time Spent:	00:01:55
IP Address:	96.29.229.217

Page 1: Survey Instructions

Q1

Name and Organization

Name	**James "Mike"Mershon**
Organization/Agency	**Porter Trustees**
Title/Position	**Service and Safety Director**
Email Address	**mike.mershon@portertwp.com**

Q2

What Jurisdiction are answering for?

Porter Township

Page 2: Hazard Priorities

Q3

Hazards included in 2020 Plan

1. Dam/Levee Failure	**Lowest Priority**
2. Drought and Extreme Heat	**Do not include**
3. Earthquakes	**Do not include**
4. Flooding	**Highest Priority**
5. Invasive Species	**Do not include**
6. Landslides and Land Subsidence	**Lowest Priority**
7. Severe Summer Weather	**Lowest Priority**
8. Severe Winter Weather	**Medium-High Priority**
9. Tornadoes	**Highest Priority**
10. Wildfire	**Lowest Priority**

Q4

Please consider the following and provide any additional comments: Please consider how the hazards are grouped - Should any be made into separate categories or grouped differently? Are there any hazards not listed that you would like to see included in the 2025 Plan? Any additional comments.

Respondent skipped this question

Page 3: Survey Complete!

Q5

General Comments

Respondent skipped this question

NAME: Michael Henderson | POSITION: Service & Safety Director

Hazard Priorities Survey

January 2025

Instructions:

1. Consider each hazard below.
2. Rate each hazard on a scale of 0 to 5 based on how important each hazard is to your community.
3. If a hazard should not be studied, give it a zero (0).
4. Provide any comments you would like to share regarding your selected ratings.

2020 Hazards	Priority Ratings (Circle One Score)					
	Do not Include	Lowest Priority	Low-Medium Priority	Medium Priority	Medium-High Priority	Highest Priority
1. Dam/Levee Failure	0	1	2	3	4	5
2. Drought and Extreme Heat	0	1	2	3	4	5
3. Earthquakes	0	1	2	3	4	5
4. Flooding	0	1	2	3	4	5
5. Invasive Species	0	1	2	3	4	5
6. Landslides and Land Subsidence	0	1	2	3	4	5
7. Severe Summer Weather	0	1	2	3	4	5
8. Severe Winter Weather	0	1	2	3	4	5
9. Tornadoes	0	1	2	3	4	5
10. Wildfire	0	1	2	3	4	5

#14

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Monday, January 13, 2025 9:54:35 AM
Last Modified:	Monday, January 13, 2025 9:56:15 AM
Time Spent:	00:01:39
IP Address:	75.180.57.217

Page 1: Survey Instructions

Q1

Name and Organization

Name	**Leah Willis**
Organization/Agency	**Porter Township Rescue**
Title/Position	**EMS Supervisor**
Email Address	**porterems@portertwp.com**

Q2

What Jurisdiction are answering for?

Porter Township

Page 2: Hazard Priorities

Q3

Hazards included in 2020 Plan

1. Dam/Levee Failure	**Medium Priority**
2. Drought and Extreme Heat	**Medium Priority**
3. Earthquakes	**Medium Priority**
4. Flooding	**Medium Priority**
5. Invasive Species	**Medium Priority**
6. Landslides and Land Subsidence	**Medium Priority**
7. Severe Summer Weather	**Medium-High Priority**
8. Severe Winter Weather	**Medium-High Priority**
9. Tornadoes	**Medium-High Priority**
10. Wildfire	**Medium Priority**

Q4

Please consider the following and provide any additional comments: Please consider how the hazards are grouped - Should any be made into separate categories or grouped differently? Are there any hazards not listed that you would like to see included in the 2025 Plan? Any additional comments.

Respondent skipped this question

Page 3: Survey Complete!

Q5

General Comments

Respondent skipped this question

#7

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Tuesday, January 07, 2025 10:40:04 AM
Last Modified:	Tuesday, January 07, 2025 10:41:56 AM
Time Spent:	00:01:51
IP Address:	74.126.65.147

Page 1: Survey Instructions

Q1

Name and Organization

Name	**LISA BUCKLE**
Organization/Agency	**JEFFERSON TOWNSHIP SCIOTO CO**
Title/Position	**Fiscal Officer**
Email Address	**JEFFERSONSCIOTO@GMAIL.COM**

Q2

What Jurisdiction are answering for?

Jefferson Township

Page 2: Hazard Priorities

Q3

Hazards included in 2020 Plan

1. Dam/Levee Failure	**Do not include**
2. Drought and Extreme Heat	**Do not include**
3. Earthquakes	**Do not include**
4. Flooding	**Highest Priority**
5. Invasive Species	**Do not include**
6. Landslides and Land Subsidence	**Highest Priority**
7. Severe Summer Weather	**Highest Priority**
8. Severe Winter Weather	**Highest Priority**
9. Tornadoes	**Highest Priority**
10. Wildfire	**Highest Priority**

Q4

Please consider the following and provide any additional comments: Please consider how the hazards are grouped - Should any be made into separate categories or grouped differently? Are there any hazards not listed that you would like to see included in the 2025 Plan? Any additional comments.

No additional comments

Page 3: Survey Complete!

Q5 **Respondent skipped this question**

General Comments

#22

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Thursday, January 16, 2025 4:20:11 PM
Last Modified:	Thursday, January 16, 2025 4:27:02 PM
Time Spent:	00:06:50
IP Address:	107.115.108.19

Page 1: Survey Instructions

Q1

Name and Organization

Name	**Matt Taylor**
Organization/Agency	**Nile Twp FD**
Title/Position	**Chief**
Email Address	**nilechief@gmail.com**

Q2

What Jurisdiction are answering for?

Nile Township

Page 2: Hazard Priorities

Q3

Hazards included in 2020 Plan

1. Dam/Levee Failure	**Lowest Priority**
2. Drought and Extreme Heat	**Low-Medium Priority**
3. Earthquakes	**Low-Medium Priority**
4. Flooding	**Highest Priority**
5. Invasive Species	**Low-Medium Priority**
6. Landslides and Land Subsidence	**Medium Priority**
7. Severe Summer Weather	**Highest Priority**
8. Severe Winter Weather	**Highest Priority**
9. Tornadoes	**Medium-High Priority**
10. Wildfire	**Medium Priority**

Q4

Please consider the following and provide any additional comments: Please consider how the hazards are grouped - Should any be made into separate categories or grouped differently? Are there any hazards not listed that you would like to see included in the 2025 Plan? Any additional comments.

Place tornadoes with sever summer weather. We have lots of storm/wind damage calls but they may not be tornadoes even though their impact may be similarly devastating.

Page 3: Survey Complete!

Q5 **Respondent skipped this question**

General Comments

#9

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Thursday, January 09, 2025 12:52:40 PM
Last Modified:	Thursday, January 09, 2025 1:03:03 PM
Time Spent:	00:10:22
IP Address:	24.33.193.160

Page 1: Survey Instructions

Q1

Contact Information

Name	**George Moore**
Organization/Agency	**Green Twp. Vol. Fire Dept.**
Title/Position	**Chief**
Email Address	**green.fire.dept@gmail.com**

Q2

For which community are you responding?If your community is not listed in the dropdown menu, please select Scioto County to proceed, but you are not required to take the survey.

Green Township

Page 11: Previous Mitigation Actions: Green Township

Q92

Identify/resolve potential landslide locations

Unchanged (Indicate why below),
(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
Township Trustees not involved with hazard mitigation.

Q93

Anchor mobile homes and propane tanks

Unchanged (Indicate why below),
(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
Township Trustees not involved with hazard mitigation

Q94

Construct Safe Rooms - Community

Completed (Indicate when below),
(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
School built rooms to withstand level 4 weather event.

Q95

Establish community shelters

Unchanged (Indicate why below),
(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
Township Trustees not involved in development

Q96

Increase rural broadband coverage

Unchanged (Indicate why below),
(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
Township Trustees not involved in process.

Q97

Mitigate structures in flood-prone areas

Unchanged (Indicate why below),
(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
Township Trustees not involved in process

Q98

Remove debris in streams

Unchanged (Indicate why below),
(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
Township Trustees not involved

#13

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Monday, January 13, 2025 10:11:54 AM
Last Modified:	Monday, January 13, 2025 10:29:43 AM
Time Spent:	00:17:49
IP Address:	96.29.229.217

Page 1: Survey Instructions

Q1

Contact Information

Name	**James "Mike" Mershon**
Organization/Agency	**Porter Trustees**
Title/Position	**Service and Safety Director**
Email Address	**mike.mershon@portertwp.com**

Q2

For which community are you responding?If your community is not listed in the dropdown menu, please select Scioto County to proceed, but you are not required to take the survey.

Porter Township

Page 17: Previous Mitigation Actions: Porter Township

Q134

Identify/resolve potential landslide locations

Unchanged (Indicate why below),
(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
New to this position therefore unaware of change

Q135

Anchor mobile homes and propane tanks

Deferred (Indicate why below),
(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
New to position

Q136

Construct Safe Rooms - Community

Deleted (Indicate why below),
(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
New to position

Q137

Establish community shelters

Deferred (Indicate why below),
(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
Same

Q138

Increase rural broadband coverage

Deferred (Indicate why below),
(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
Same

Q139

Mitigate structures in flood-prone areas

Deferred (Indicate why below),
(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
Same

Q140

Remove debris in streams

Deferred (Indicate why below),
(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
Same

#9

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Thursday, January 09, 2025 12:52:40 PM
Last Modified:	Thursday, January 09, 2025 1:03:03 PM
Time Spent:	00:10:22
IP Address:	24.33.193.160

Page 1: Survey Instructions

Q1

Contact Information

Name	**George Moore**
Organization/Agency	**Green Twp. Vol. Fire Dept.**
Title/Position	**Chief**
Email Address	**green.fire.dept@gmail.com**

Q2

For which community are you responding?If your community is not listed in the dropdown menu, please select Scioto County to proceed, but you are not required to take the survey.

Green Township

Page 11: Previous Mitigation Actions: Green Township

Q82

Identify/resolve potential landslide locations

Unchanged (Indicate why below),
(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
Township Trustees not involved with hazard mitigation.

Q83

Anchor mobile homes and propane tanks

Unchanged (Indicate why below),
(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
Township Trustees not involved with hazard mitigation

Q84

Construct Safe Rooms - Community

Completed (Indicate when below),
(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
School built rooms to withstand level 4 weather event.

Q85

Establish community shelters

Unchanged (Indicate why below),
(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
Township Trustees not involved in development

Q86

Increase rural broadband coverage

Unchanged (Indicate why below),
(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
Township Trustees not involved in process.

Q87

Mitigate structures in flood-prone areas

Unchanged (Indicate why below),
(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
Township Trustees not involved in process

Q88

Remove debris in streams

Unchanged (Indicate why below),
(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
Township Trustees not involved

#6

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Thursday, January 16, 2025 12:02:27 PM
Last Modified: Thursday, January 16, 2025 12:03:16 PM
Time Spent: 00:00:48
IP Address: 208.122.87.128

Page 1: Survey Instructions

Q1

Name and Organization

Name	**Scott Rolfe**
Organization/Agency	**Valley Local School District**
Title/Position	**Superintendent**
Email Address	**scott.rolfe@valleyls.org**

Q2

For which community are you responding?

Valley Township

Page 2: Integration Survey

Q3

How have you integrated the 2020 HMP into the Emergency Operations Plan?

Respondent skipped this question

Q4

How have you integrated the 2020 HMP into the Comprehensive Plan?

Respondent skipped this question

Q5

How have you integrated the 2020 HMP into the Capital Improvement Plan?

Respondent skipped this question

Q6

How have you integrated the 2020 HMP into the Building Code?

Respondent skipped this question

Q7

How have you integrated the 2020 HMP into the Zoning Ordinances?

Respondent skipped this question

Q8

How have you integrated the 2020 HMP into the Capital Improvement Program?

Respondent skipped this question

Q9

How have you integrated the 2020 HMP into the Stormwater Management Plans?

Respondent skipped this question

Q10

How have you integrated the 2020 HMP into any other plans? If so, how.

Respondent skipped this question

Page 3: Survey Complete!

Q11

General Comments

Respondent skipped this question

Surveys: Other

NAME: Abby Spears	POSITION: ED - Scioto Connect

Hazard Priorities Survey

January 2025

Instructions:

1. Consider each hazard below.
2. Rate each hazard on a scale of 0 to 5 based on how important each hazard is to your community.
3. If a hazard should not be studied, give it a zero (0).
4. Provide any comments you would like to share regarding your selected ratings.

2020 Hazards	Priority Ratings (Circle One Score)					
	Do not Include	Lowest Priority	Low-Medium Priority	Medium Priority	Medium-High Priority	Highest Priority
1. Dam/Levee Failure	0	1	2	3	4	5
2. Drought and Extreme Heat	0	1	2	3	4	5
3. Earthquakes	0	1	2	3	4	5
4. Flooding	0	1	2	3	4	5
5. Invasive Species	0	1	2	3	4	5
6. Landslides and Land Subsidence	0	1	2	3	4	5
7. Severe Summer Weather	0	1	2	3	4	5
8. Severe Winter Weather	0	1	2	3	4	5
9. Tornadoes	0	1	2	3	4	5
10. Wildfire	0	1	2	3	4	5

Additional Comments

- *Are there any hazards not listed that you would like to see included in the 2025 plan?*
- *Any other additional comments.*

Health Emergencies

- HIV Cluster Outbreaks
- Treatment Facility Closure & redirection of patients w/ medication needs
- Overdose Spikes
- Housing infrastructure failure
  - Power grids
  - water access
  - Heating/cooling

#4

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Tuesday, January 07, 2025 8:38:09 AM
Last Modified:	Tuesday, January 07, 2025 8:42:47 AM
Time Spent:	00:04:37
IP Address:	75.180.41.57

Page 1: Survey Instructions

Q1

Name and Organization

Name	**Major Dan Simco**
Organization/Agency	**Salvation Army**
Title/Position	**Officer**
Email Address	**dan.simco@use.salvationarmy.org**

Q2

For which community are you responding?

City of Portsmouth

Page 2: Goals Survey

Q3

Reduce or eliminate impact of hazards on public safety, lives, property, and infrastructure.

	(no label)
Increase survivability of emergency communications.	**Include**
Plan for safe development.	**Include**
Create self-sufficiency.	**Include**
Plan for safe development.	**Include**
Increase public awareness.	**Include**

Q4

New Goals: Please provide any goals or objectives you would like included in the Plan.

Respondent skipped this question

Q5

Please provide any additional comments related to these goals in the space below.

Respondent skipped this question

Page 3: Survey Complete!

Q6

General Comments

Respondent skipped this question

#5

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Tuesday, January 07, 2025 8:43:47 AM
Last Modified:	Tuesday, January 07, 2025 8:46:53 AM
Time Spent:	00:03:05
IP Address:	12.222.170.4

Page 1: Survey Instructions

Q1

Name and Organization

Name	**Isaac Naylor**
Organization/Agency	**UK King's Daughters Emergency Management**
Title/Position	**Emergency Management Specialist**
Email Address	**isaac.naylor@kdmc.kdhs.us**

Q2

For which community are you responding?

Other (please specify):
Healthcare entity for Scioto and surrounding areas.

Page 2: Goals Survey

Q3

Reduce or eliminate impact of hazards on public safety, lives, property, and infrastructure.

	(no label)
Increase survivability of emergency communications.	**Include**
Plan for safe development.	**Include**
Create self-sufficiency.	**Include**
Plan for safe development.	**Do Not Include**
Increase public awareness.	**Include**

Q4

New Goals: Please provide any goals or objectives you would like included in the Plan.

New Goal 1	**Increase public response (if applicable)**

#10

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Tuesday, January 07, 2025 4:19:12 PM
Last Modified:	Tuesday, January 07, 2025 4:21:09 PM
Time Spent:	00:01:56
IP Address:	99.67.54.26

Page 1: Survey Instructions

Q1

Name and Organization

Name	**Jake schuldt**
Organization/Agency	**Oshp**
Title/Position	**Post commander**
Email Address	**jjschuldt@dps.ohio.gov**

Q2

For which community are you responding?

Scioto County

Page 2: Goals Survey

Q3

Reduce or eliminate impact of hazards on public safety, lives, property, and infrastructure.

	(no label)
Increase survivability of emergency communications.	**Include**
Plan for safe development.	**Include**
Create self-sufficiency.	**Include**
Plan for safe development.	**Include**
Increase public awareness.	**Include**

Q4

New Goals: Please provide any goals or objectives you would like included in the Plan.

Respondent skipped this question

Q5

Please provide any additional comments related to these goals in the space below.

Respondent skipped this question

Page 3: Survey Complete!

Q6

General Comments

Respondent skipped this question

#19

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Wednesday, January 15, 2025 6:05:42 PM
Last Modified:	Wednesday, January 15, 2025 6:08:28 PM
Time Spent:	00:02:45
IP Address:	104.28.78.231

Page 1: Survey Instructions

Q1

Name and Organization

Name	**James Delabar**
Organization/Agency	**LEPC**
Title/Position	**Member**
Email Address	**jmdelabar@hotmail.com**

Q2

For which community are you responding?

Scioto County

Page 2: Goals Survey

Q3

Reduce or eliminate impact of hazards on public safety, lives, property, and infrastructure.

	(no label)
Increase survivability of emergency communications.	**Include**
Plan for safe development.	**Include**
Create self-sufficiency.	**Do Not Include**
Plan for safe development.	**Include**
Increase public awareness.	**Include**

Q4

New Goals: Please provide any goals or objectives you would like included in the Plan.

Respondent skipped this question

Q5

Please provide any additional comments related to these goals in the space below.

Respondent skipped this question

Page 3: Survey Complete!

Q6

General Comments

Respondent skipped this question

#24

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Friday, January 17, 2025 8:00:08 AM
Last Modified:	Friday, January 17, 2025 8:02:28 AM
Time Spent:	00:02:20
IP Address:	208.122.84.253

Page 1: Survey Instructions

Q1

Name and Organization

Name	**Kyle Copley**
Organization/Agency	**SCCTC**
Title/Position	**Superintendent**
Email Address	**kyle.copley@sciototech.org**

Q2

For which community are you responding?

Valley Townshipo

Page 2: Goals Survey

Q3

Reduce or eliminate impact of hazards on public safety, lives, property, and infrastructure.

	(no label)
Increase survivability of emergency communications.	**Include**
Plan for safe development.	**Include**
Create self-sufficiency.	**Include**
Plan for safe development.	**Include**
Increase public awareness.	**Include**

Q4

New Goals: Please provide any goals or objectives you would like included in the Plan.

Respondent skipped this question

Q5

Please provide any additional comments related to these goals in the space below.

Respondent skipped this question

Page 3: Survey Complete!

Q6

General Comments

Respondent skipped this question

#17

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Tuesday, January 14, 2025 6:31:53 AM
Last Modified:	Tuesday, January 14, 2025 6:34:44 AM
Time Spent:	00:02:51
IP Address:	208.122.89.126

Page 1: Survey Instructions

Q1

Name and Organization

Name	**Mark Knapp**
Organization/Agency	**Wheelersburg Local School District**
Title/Position	**Superintendent**
Email Address	**mark.knapp@wheelersburg.net**

Q2

For which community are you responding?

Other (please specify):
Wheelersburg Local School District

Page 2: Goals Survey

Q3

Reduce or eliminate impact of hazards on public safety, lives, property, and infrastructure.

	(no label)
Increase survivability of emergency communications.	**Include**
Plan for safe development.	
Create self-sufficiency.	**Include**
Plan for safe development.	
Increase public awareness.	

Q4

New Goals: Please provide any goals or objectives you would like included in the Plan.

Respondent skipped this question

Q5

Please provide any additional comments related to these goals in the space below.

Respondent skipped this question

Page 3: Survey Complete!

Q6

General Comments

Respondent skipped this question

#1

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Tuesday, January 07, 2025 7:44:19 AM
Last Modified:	Tuesday, January 07, 2025 7:46:07 AM
Time Spent:	00:01:48
IP Address:	98.97.2.34

Page 1: Survey Instructions

Q1

Name and Organization

Name	**Sandy Mers**
Organization/Agency	**SCOESC**
Title/Position	**Superintendent**
Email Address	**sandy.mers@scoesc.org**

Q2

For which community are you responding?

Scioto County

Page 2: Goals Survey

Q3

Reduce or eliminate impact of hazards on public safety, lives, property, and infrastructure.

	(no label)
Increase survivability of emergency communications.	**Include**
Plan for safe development.	
Create self-sufficiency.	**Include**
Plan for safe development.	
Increase public awareness.	**Include**

Q4

New Goals: Please provide any goals or objectives you would like included in the Plan.

Respondent skipped this question

Q5

Please provide any additional comments related to these goals in the space below.

Communication is the key!

Page 3: Survey Complete!

Q6

Respondent skipped this question

General Comments

#21

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Thursday, January 16, 2025 11:56:30 AM
Last Modified:	Thursday, January 16, 2025 11:58:29 AM
Time Spent:	00:01:58
IP Address:	208.122.87.128

Page 1: Survey Instructions

Q1

Name and Organization

Name	**Scott Rolfe**
Organization/Agency	**Valley Local School District**
Title/Position	**Superintendent**
Email Address	**scott.rolfe@valleyls.org**

Q2

For which community are you responding?

Valley Townshipo

Page 2: Goals Survey

Q3

Reduce or eliminate impact of hazards on public safety, lives, property, and infrastructure.

	(no label)
Increase survivability of emergency communications.	
Plan for safe development.	**Include**
Create self-sufficiency.	
Plan for safe development.	**Include**
Increase public awareness.	

Q4

New Goals: Please provide any goals or objectives you would like included in the Plan.

Respondent skipped this question

Q5

Please provide any additional comments related to these goals in the space below.

Respondent skipped this question

Page 3: Survey Complete!

Q6

General Comments

Respondent skipped this question

#6

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Tuesday, January 07, 2025 9:34:03 AM
Last Modified:	Tuesday, January 07, 2025 9:37:24 AM
Time Spent:	00:03:20
IP Address:	156.63.69.168

Page 1: Survey Instructions

Q1

Name and Organization

Name	**Dale Egbert**
Organization/Agency	**ODNR Division of Forestry**
Title/Position	**Forest Manager**
Email Address	**charles.egbert@dnr.ohio.gov**

Q2

What Jurisdiction are answering for?

Scioto County

Page 2: Hazard Priorities

Q3

Hazards included in 2020 Plan

1. Dam/Levee Failure	**Low-Medium Priority**
2. Drought and Extreme Heat	**Medium Priority**
3. Earthquakes	**Low-Medium Priority**
4. Flooding	**Highest Priority**
5. Invasive Species	**Lowest Priority**
6. Landslides and Land Subsidence	**Low-Medium Priority**
7. Severe Summer Weather	**Medium Priority**
8. Severe Winter Weather	**Medium-High Priority**
9. Tornadoes	**Medium-High Priority**
10. Wildfire	**Medium Priority**

Q4

Please consider the following and provide any additional comments: Please consider how the hazards are grouped - Should any be made into separate categories or grouped differently? Are there any hazards not listed that you would like to see included in the 2025 Plan? Any additional comments.

Respondent skipped this question

Page 3: Survey Complete!

Q5

General Comments

Respondent skipped this question

#3

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Tuesday, January 07, 2025 8:43:04 AM
Last Modified:	Tuesday, January 07, 2025 8:47:56 AM
Time Spent:	00:04:51
IP Address:	75.180.41.57

Page 1: Survey Instructions

Q1

Name and Organization

Name	**Major Dan Simco**
Organization/Agency	**Salvation Army**
Title/Position	**Officer**
Email Address	**dan.simco@use.salvationarmy.org**

Q2

Scioto County

What Jurisdiction are answering for?

Page 2: Hazard Priorities

Q3

Hazards included in 2020 Plan

1. Dam/Levee Failure	**Medium-High Priority**
2. Drought and Extreme Heat	**Low-Medium Priority**
3. Earthquakes	**Lowest Priority**
4. Flooding	**Highest Priority**
6. Landslides and Land Subsidence	**Medium-High Priority**
7. Severe Summer Weather	**Low-Medium Priority**
8. Severe Winter Weather	**Medium Priority**
9. Tornadoes	**Medium-High Priority**
10. Wildfire	**Medium-High Priority**

Q4

Please consider the following and provide any additional comments: Please consider how the hazards are grouped - Should any be made into separate categories or grouped differently? Are there any hazards not listed that you would like to see included in the 2025 Plan? Any additional comments.

Active shooter in educational institutions.

Chemical spills.

Page 3: Survey Complete!

Q5 **Respondent skipped this question**

General Comments

#4

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Tuesday, January 07, 2025 8:47:00 AM
Last Modified:	Tuesday, January 07, 2025 8:49:35 AM
Time Spent:	00:02:35
IP Address:	12.222.170.4

Page 1: Survey Instructions

Q1

Name and Organization

Name	**Isaac Naylor**
Organization/Agency	**UK King's Daughters**
Title/Position	**Emergency Management Specialist**
Email Address	**isaac.naylor@kdmc.kdhs.us**

Q2

What Jurisdiction are answering for?

Other (please specify):
Healthcare entity responding to Scioto and surrounding areas.

Page 2: Hazard Priorities

Q3

Hazards included in 2020 Plan

1. Dam/Levee Failure	**Medium-High Priority**
2. Drought and Extreme Heat	**Medium Priority**
3. Earthquakes	**Low-Medium Priority**
4. Flooding	**Highest Priority**
5. Invasive Species	**Medium Priority**
6. Landslides and Land Subsidence	**Medium Priority**
7. Severe Summer Weather	**Highest Priority**
8. Severe Winter Weather	**Medium-High Priority**
9. Tornadoes	**Low-Medium Priority**
10. Wildfire	**Lowest Priority**

Q4

Please consider the following and provide any additional comments: Please consider how the hazards are grouped - Should any be made into separate categories or grouped differently? Are there any hazards not listed that you would like to see included in the 2025 Plan? Any additional comments.

1.) Hazard that is not included are cyber-based incidents.

Page 3: Survey Complete!

Q5 **Respondent skipped this question**

General Comments

#10

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Tuesday, January 07, 2025 4:21:21 PM
Last Modified:	Tuesday, January 07, 2025 4:24:15 PM
Time Spent:	00:02:53
IP Address:	99.67.54.26

Page 1: Survey Instructions

Q1

Name and Organization

Name	**Jake schuldt**
Organization/Agency	**Oshp**
Title/Position	**Post commander**
Email Address	**jjschuldt@dps.ohio.state**

Q2

What Jurisdiction are answering for?

Scioto County

Page 2: Hazard Priorities

Q3

Hazards included in 2020 Plan

1. Dam/Levee Failure	**Medium-High Priority**
2. Drought and Extreme Heat	**Low-Medium Priority**
3. Earthquakes	**Lowest Priority**
4. Flooding	**Medium-High Priority**
5. Invasive Species	**Low-Medium Priority**
6. Landslides and Land Subsidence	**Low-Medium Priority**
7. Severe Summer Weather	**Low-Medium Priority**
8. Severe Winter Weather	**Medium-High Priority**
9. Tornadoes	**Medium Priority**
10. Wildfire	**Medium Priority**

Q4

Please consider the following and provide any additional comments: Please consider how the hazards are grouped - Should any be made into separate categories or grouped differently? Are there any hazards not listed that you would like to see included in the 2025 Plan? Any additional comments.

Respondent skipped this question

Page 3: Survey Complete!

Q5

General Comments

Respondent skipped this question

NAME: Veremy Litteral | POSITION: Superintendent, Minford local Schools

Hazard Priorities Survey

January 2025

Instructions:

1. Consider each hazard below.
2. Rate each hazard on a scale of 0 to 5 based on how important each hazard is to your community.
3. If a hazard should not be studied, give it a zero (0).
4. Provide any comments you would like to share regarding your selected ratings.

2020 Hazards	Priority Ratings (Circle One Score)					
	Do not Include	Lowest Priority	Low-Medium Priority	Medium Priority	Medium-High Priority	Highest Priority
1. Dam/Levee Failure	0	1	2	3	4	5
2. Drought and Extreme Heat	0	1	2	3	4	5
3. Earthquakes	0	1	2	3	4	5
4. Flooding	0	1	2	3	4	5
5. Invasive Species	0	1	2	3	4	5
6. Landslides and Land Subsidence	0	1	2	3	4	5
7. Severe Summer Weather	0	1	2	3	4	5
8. Severe Winter Weather	0	1	2	3	4	5
9. Tornadoes	0	1	2	3	4	5
10. Wildfire	0	1	2	3	4	5

#23

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Friday, January 17, 2025 8:02:38 AM
Last Modified:	Friday, January 17, 2025 8:04:00 AM
Time Spent:	00:01:21
IP Address:	208.122.84.253

Page 1: Survey Instructions

Q1

Name and Organization

Name	**Kyle Copley**
Organization/Agency	**SCCTC**
Title/Position	**Superintendent**
Email Address	**kyle.copley@sciototech.org**

Q2

What Jurisdiction are answering for?

Valley Townshipo

Page 2: Hazard Priorities

Q3

Hazards included in 2020 Plan

1. Dam/Levee Failure	**Highest Priority**
2. Drought and Extreme Heat	**Highest Priority**
3. Earthquakes	**Lowest Priority**
4. Flooding	**Highest Priority**
5. Invasive Species	**Low-Medium Priority**
6. Landslides and Land Subsidence	**Highest Priority**
7. Severe Summer Weather	**Highest Priority**
8. Severe Winter Weather	**Highest Priority**
9. Tornadoes	**Highest Priority**
10. Wildfire	**Highest Priority**

Q4

Please consider the following and provide any additional comments: Please consider how the hazards are grouped - Should any be made into separate categories or grouped differently? Are there any hazards not listed that you would like to see included in the 2025 Plan? Any additional comments.

Respondent skipped this question

Page 3: Survey Complete!

Q5

General Comments

Respondent skipped this question

#16

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Tuesday, January 14, 2025 6:34:54 AM
Last Modified:	Tuesday, January 14, 2025 6:38:10 AM
Time Spent:	00:03:15
IP Address:	208.122.89.126

Page 1: Survey Instructions

Q1

Name and Organization

Name	**Mark Knapp**
Organization/Agency	**Wheelersburg Local School District**
Title/Position	**Superintendent**
Email Address	**mark.knapp@wheelersburg.net**

Q2

What Jurisdiction are answering for?

Other (please specify):
Wheelersburg Local School District

Page 2: Hazard Priorities

Q3

Hazards included in 2020 Plan

1. Dam/Levee Failure	**Do not include**
2. Drought and Extreme Heat	**Low-Medium Priority**
3. Earthquakes	**Lowest Priority**
4. Flooding	**Medium-High Priority**
5. Invasive Species	**Do not include**
6. Landslides and Land Subsidence	**Lowest Priority**
7. Severe Summer Weather	**Medium Priority**
8. Severe Winter Weather	**Medium Priority**
9. Tornadoes	**Medium-High Priority**
10. Wildfire	**Lowest Priority**

Q4

Please consider the following and provide any additional comments: Please consider how the hazards are grouped - Should any be made into separate categories or grouped differently? Are there any hazards not listed that you would like to see included in the 2025 Plan? Any additional comments.

Respondent skipped this question

Page 3: Survey Complete!

Q5

General Comments

Respondent skipped this question

NAME: Matthew McCorkle	POSITION: Superintendent PCSD

Hazard Priorities Survey

January 2025

Instructions:

1. Consider each hazard below.
2. Rate each hazard on a scale of 0 to 5 based on how important each hazard is to your community.
3. If a hazard should not be studied, give it a zero (0).
4. Provide any comments you would like to share regarding your selected ratings.

2020 Hazards	Priority Ratings (Circle One Score)					
	Do not Include	Lowest Priority	Low-Medium Priority	Medium Priority	Medium-High Priority	Highest Priority
1. Dam/Levee Failure	0	1	2	3	4	(5)
2. Drought and Extreme Heat	0	1	2	(3)	4	5
3. Earthquakes	0	(1)	2	3	[illegible]	5
4. Flooding	0	1	2	3	(4)	5
5. Invasive Species	0	1	2	(3)	4	5
6. Landslides and Land Subsidence	0	1	2	3	(4)	5
7. Severe Summer Weather	0	1	2	3	(4)	5
8. Severe Winter Weather	0	1	2	3	(4)	5
9. Tornadoes	0	1	2	3	(4)	5
10. Wildfire	0	1	2	(3)	4	5

#20

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Thursday, January 16, 2025 10:21:36 AM
Last Modified:	Thursday, January 16, 2025 10:23:00 AM
Time Spent:	00:01:23
IP Address:	208.122.93.95

Page 1: Survey Instructions

Q1

Name and Organization

Name	**Sandy Mers**
Organization/Agency	**SCOESC**
Title/Position	**Superintendent**
Email Address	**sandy.mers@scoesc.org**

Q2

Scioto County

What Jurisdiction are answering for?

Page 2: Hazard Priorities

Q3

Hazards included in 2020 Plan

1. Dam/Levee Failure	**Low-Medium Priority**
2. Drought and Extreme Heat	**Lowest Priority**
3. Earthquakes	**Lowest Priority**
4. Flooding	**Medium-High Priority**
5. Invasive Species	**Lowest Priority**
6. Landslides and Land Subsidence	**Low-Medium Priority**
7. Severe Summer Weather	**Lowest Priority**
8. Severe Winter Weather	**Medium Priority**
9. Tornadoes	**Lowest Priority**
10. Wildfire	**Lowest Priority**

Q4

Please consider the following and provide any additional comments: Please consider how the hazards are grouped - Should any be made into separate categories or grouped differently? Are there any hazards not listed that you would like to see included in the 2025 Plan? Any additional comments.

Respondent skipped this question

Page 3: Survey Complete!

Q5

General Comments

Respondent skipped this question

#21

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Thursday, January 16, 2025 11:58:38 AM
Last Modified:	Thursday, January 16, 2025 12:00:04 PM
Time Spent:	00:01:26
IP Address:	208.122.87.128

Page 1: Survey Instructions

Q1

Name and Organization

Name	**Scott Rolfe**
Organization/Agency	**Valley Local**
Title/Position	**Superintendent**
Email Address	**scott.rolfe@valleyls.org**

Q2

What Jurisdiction are answering for?

Valley Townshipo

Page 2: Hazard Priorities

Q3

Hazards included in 2020 Plan

1. Dam/Levee Failure	**Medium Priority**
2. Drought and Extreme Heat	**Medium Priority**
3. Earthquakes	**Do not include**
4. Flooding	**Medium-High Priority**
5. Invasive Species	**Lowest Priority**
6. Landslides and Land Subsidence	**Lowest Priority**
7. Severe Summer Weather	**Low-Medium Priority**
8. Severe Winter Weather	**Medium-High Priority**
9. Tornadoes	**Medium-High Priority**
10. Wildfire	**Lowest Priority**

Q4

Please consider the following and provide any additional comments: Please consider how the hazards are grouped - Should any be made into separate categories or grouped differently? Are there any hazards not listed that you would like to see included in the 2025 Plan? Any additional comments.

Respondent skipped this question

Page 3: Survey Complete!

Q5

General Comments

Respondent skipped this question

#18

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Wednesday, January 15, 2025 6:14:20 PM
Last Modified:	Wednesday, January 15, 2025 6:16:48 PM
Time Spent:	00:02:28
IP Address:	104.28.78.231

Page 1: Survey Instructions

Q1

Name and Organization

Name	**James Delabar**
Organization/Agency	**LEPC**
Title/Position	**Member**
Email Address	**jmdelabar@hotmail.com**

Q2

What Jurisdiction are answering for?

Scioto County

Page 2: Hazard Priorities

Q3

Hazards included in 2020 Plan

1. Dam/Levee Failure	**Low-Medium Priority**
2. Drought and Extreme Heat	**Medium Priority**
3. Earthquakes	**Lowest Priority**
4. Flooding	**Highest Priority**
5. Invasive Species	**Low-Medium Priority**
6. Landslides and Land Subsidence	**Medium Priority**
7. Severe Summer Weather	**Medium-High Priority**
8. Severe Winter Weather	**Medium-High Priority**
9. Tornadoes	**Medium Priority**
10. Wildfire	**Low-Medium Priority**

Q4

Please consider the following and provide any additional comments: Please consider how the hazards are grouped - Should any be made into separate categories or grouped differently? Are there any hazards not listed that you would like to see included in the 2025 Plan? Any additional comments.

None

Page 3: Survey Complete!

Q5

General Comments

None

#15

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Wednesday, January 15, 2025 6:16:57 PM
Last Modified:	Wednesday, January 15, 2025 6:19:44 PM
Time Spent:	00:02:46
IP Address:	104.28.78.231

Page 1: Survey Instructions

Q1

Contact Information

Name	**James Delabar**
Organization/Agency	**LEPC**
Title/Position	**Member**
Email Address	**jmdelabar@hotmail.com**

Q2

For which community are you responding?If your community is not listed in the dropdown menu, please select Scioto County to proceed, but you are not required to take the survey.

Scioto County

Page 2: Previous Mitigation Actions: Scioto County

Q3

Adopt higher flood standards than NFIP minimums due to historical flood events and to reduce future damages

Unchanged (Indicate why below)

Q4

Conduct a hydrologic and hydraulic (H&H) study of Scioto County

Unchanged (Indicate why below)

Q5

Identify/resolve potential landslide locations

Unchanged (Indicate why below)

Q6

Anchor mobile homes and propane tanks

Unchanged (Indicate why below)

Q7 **Unchanged (Indicate why below)**

Construct Safe Rooms - Community

Q8 **Unchanged (Indicate why below)**

Construct Safe Rooms - Residential

Q9 **Unchanged (Indicate why below)**

Create rental housing inspection and permit program

Q10 **Unchanged (Indicate why below)**

Develop and implement an all-hazards public education program

Q11 **Unchanged (Indicate why below)**

Encourage jurisdictions to establish zones/building codes to control land use in at-risk areas

Q12 **Unchanged (Indicate why below)**

Enhance public warning systems.

Q13 **Unchanged (Indicate why below)**

Establish community shelters

Q14 **Unchanged (Indicate why below)**

Increase rural broadband coverage

Q15 **Unchanged (Indicate why below)**

Install generators at critical facilities

Q16 **Unchanged (Indicate why below)**

Mitigate structures in flood-prone areas

Q17 **Unchanged (Indicate why below)**

Purchase stock of PPE for first responders

Q18 Rehabilitate dams known to be of high hazard	**Deferred (Indicate why below)**
Q19 Remove debris in streams	**Unchanged (Indicate why below)**
Q20 Update dam Emergency Action Plans; update inundation data for dams without EAPs or no current inundation data	**Unchanged (Indicate why below)**
Q21 Upgrade undersized/establish storm water drainage systems	**Unchanged (Indicate why below)**

#18

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Thursday, January 16, 2025 12:00:09 PM
Last Modified:	Thursday, January 16, 2025 12:02:18 PM
Time Spent:	00:02:08
IP Address:	208.122.87.128

Page 1: Survey Instructions

Q1

Contact Information

Name	**Scott Rolfe**
Organization/Agency	**Valley Local School District**
Title/Position	**Superintendent**
Email Address	**scott.rolfe@valleyls.org**

Q2

For which community are you responding?If your community is not listed in the dropdown menu, please select Scioto County to proceed, but you are not required to take the survey.

Valley Township

Page 21: Previous Mitigation Actions: Valley Township

Q162

Identify/resolve potential landslide locations

Respondent skipped this question

Q163

Anchor mobile homes and propane tanks

Respondent skipped this question

Q164

Construct Safe Rooms - Community

Respondent skipped this question

Q165

Establish community shelters

Respondent skipped this question

Q166

Increase rural broadband coverage

Ongoing (List percent completed or describe progress made below)

,

(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:

40

Q167

Mitigate structures in flood-prone areas

Respondent skipped this question

Q168

Remove debris in streams

Respondent skipped this question

#3

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Tuesday, January 07, 2025 8:49:49 AM
Last Modified:	Tuesday, January 07, 2025 9:29:35 AM
Time Spent:	00:39:46
IP Address:	12.222.170.4

Page 1: Survey Instructions

Q1

Contact Information

Name	**Isaac Naylor**
Organization/Agency	**UK King's Daughters**
Title/Position	**Emergency Management Specialist**
Email Address	**isaac.naylor@kdmc.kdhs.us**

Q2

For which community are you responding?If your community is not listed in the dropdown menu, please select Scioto County to proceed, but you are not required to take the survey.

Scioto County

Page 2: Previous Mitigation Actions: Scioto County

Q3

Adopt higher flood standards than NFIP minimums due to historical flood events and to reduce future damages

Respondent skipped this question

Q4

Conduct a hydrologic and hydraulic (H&H) study of Scioto County

Respondent skipped this question

Q5

Identify/resolve potential landslide locations

Respondent skipped this question

Q6

Anchor mobile homes and propane tanks

Respondent skipped this question

Q7

Construct Safe Rooms - Community

Respondent skipped this question

Q8

Construct Safe Rooms - Residential

Respondent skipped this question

Q9

Create rental housing inspection and permit program

Respondent skipped this question

Q10

Develop and implement an all-hazards public education program

Ongoing (List percent completed or describe progress made below)

,

(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
Continued improvement of all-hazards education for all UKKD team members.

Q11

Encourage jurisdictions to establish zones/building codes to control land use in at-risk areas

Respondent skipped this question

Q12

Enhance public warning systems.

Completed (Indicate when below),

(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
Utilizing Everbridge notification system to notify of any hazards.

Q13

Establish community shelters

Respondent skipped this question

Q14

Increase rural broadband coverage

Respondent skipped this question

Q15

Install generators at critical facilities

Completed (Indicate when below),

(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
Required for our facilities

Q16

Mitigate structures in flood-prone areas

Respondent skipped this question

Q17

Purchase stock of PPE for first responders

Ongoing (List percent completed or describe progress made below)

,

(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
Continual resupply and stocking of PPE for our team members.

Q18

Rehabilitate dams known to be of high hazard

Respondent skipped this question

Q19

Remove debris in streams

Respondent skipped this question

Q20

Update dam Emergency Action Plans; update inundation data for dams without EAPs or no current inundation data

Respondent skipped this question

Q21

Upgrade undersized/establish storm water drainage systems

Respondent skipped this question

#1

COMPLETE

Collector:	Web Link 1 (Web Link)
Started:	Tuesday, January 07, 2025 8:55:11 AM
Last Modified:	Tuesday, January 07, 2025 9:26:53 AM
Time Spent:	00:31:41
IP Address:	12.222.170.4

Page 1: Survey Instructions

Q1

Name and Organization

Name	**Isaac Naylor**
Organization/Agency	**UK King's Daughters**
Title/Position	**Emergency Management Specialist**
Email Address	**isaac.naylor@kdmc.kdhs.us**

Q2

For which community are you responding?

Other (please specify):
Healthcare entity responding to Scioto and surrounding areas.

Page 2: Integration Survey

Q3

How have you integrated the 2020 HMP into the Emergency Operations Plan?

UK KD's EOP encompasses hazard mitigation efforts to help maintain continued operations.

Q4

How have you integrated the 2020 HMP into the Comprehensive Plan?

n/a

Q5

How have you integrated the 2020 HMP into the Capital Improvement Plan?

n/a

Q6

How have you integrated the 2020 HMP into the Building Code?

n/a

Q7

How have you integrated the 2020 HMP into the Zoning Ordinances?

n/a

Q8

How have you integrated the 2020 HMP into the Capital Improvement Program?

n/a

Q9

How have you integrated the 2020 HMP into the Stormwater Management Plans?

n/a

Q10

How have you integrated the 2020 HMP into any other plans? If so, how.

Respondent skipped this question

Page 3: Survey Complete!

Q11

General Comments

Respondent skipped this question

Public Comment