

2019

Hazard Mitigation Plan

Champaign County Emergency Management Agency

Table of Contents

Executive Summary	iii
1.0 The Planning Process	1-1
1.1 Plan Development.....	1-1
1.2 Stakeholder Involvement.....	1-6
1.3 Public Participation	1-8
1.4 Research Methodologies	1-9
1.5 Plan Maintenance	1-11
2.0 Hazard Identification	2-1
2.1 County Profile.....	2-1
2.2 Hazard Identification.....	2-16
Dam Failure	2-17
Drought/Extreme Heat	2-21
Earthquake.....	2-24
Flood	2-27
Hazardous Materials Incident.....	2-32
Invasive Species	2-35
Land Subsidence	2-38
Power Outage	2-40
Severe Thunderstorm	2-41
Tornado.....	2-42
Water Quality Emergency.....	2-45
Windstorm	2-47
Winter Storm	2-48
2.3 Vulnerability Assessment.....	2-51
Countywide Vulnerability	2-51
Jurisdiction Vulnerability	2-55
Christiansburg	2-55
Mechanicsburg.....	2-56
Mutual.....	2-58
North Lewisburg.....	2-60
St. Paris	2-61
Urbana	2-63
Woodstock	2-65
2.4 Risk Analysis	2-69
3.0 Mitigation Strategies	3-1
3.1 Status of Past Mitigation Efforts	3-1
3.2 Risk Priorities.....	3-4
3.3 Mitigation Goals and Strategies.....	3-5
Champaign County.....	3-7
Christiansburg	3-13
Mechanicsburg.....	3-16
Mutual.....	3-21

North Lewisburg.....	3-24
St. Paris	3-28
Urbana	3-34
Woodstock.....	3-39
3.4 Implementation.....	3-42
4.0 Plan Adoption.....	4-1
4.1 State Review and Federal Plan Approval	4-1
4.2 Local Adoption	4-1
4.3 Plan Expiration	4-1
5.0 Appendix A: Mitigation Planning Team	5-1
6.0 Appendix B: Hazard and Vulnerability Data	6-1

EXECUTIVE SUMMARY

The 2019 Champaign County Hazard Mitigation Plan was developed using a whole community approach to assessing hazards, risks, and vulnerabilities; developing mitigation goals and strategies; and planning for implementation of mitigation efforts. Through a series of countywide and jurisdiction work sessions, communities and officials across the county assessed their current risks and identified sustainable solutions to reduce vulnerabilities. Throughout the process, they considered various regional, county, and local plans and documents that guide community and economic development.

The planning process aligns with the mitigation planning guidance established by the Federal Emergency Management Agency in March 2013 and involved stakeholders from across Champaign County. This broad participation was achieved by seeking input and participation from jurisdictions, county officials, community agencies, residents, and other partners and is evidenced by documentation of meetings and work sessions included in the plan.

The hazard mitigation plan provides a comprehensive review of communities and mitigation needs. It is one opportunity for Champaign County and its jurisdictions to increase their resilience to catastrophic incidents. The mitigation strategies are intended to help community leaders implement projects and develop policies that make the county more resistant to damage from disasters and facilitate rapid recovery when disasters do occur. The plan is also a tool for community development so that growth across the county can be implemented in ways that do not increase the county's vulnerability to hazards.