



LOCATION

Miami County, Ohio

TASKS

- Hazard Mitigation Plan development
- Sustainability and resiliency integration
- Public & stakeholder involvement
- Risk assessments & vulnerability analyses
- Hazus modeling
- Mitigation strategies

HIGHLIGHTS

- Addressed natural & human-made hazards
- Developed mitigation actions to reduce hazard impacts
- Created a website for updates, meeting notices, and comments
- Facilitated public meetings virtually due to COVID-19

PROJECT DESCRIPTION

Under the Disaster Mitigation Act of 2000, local jurisdictions must have a disaster mitigation plan in effect to receive funds from the Federal Emergency Management Agency (FEMA) for pre-disaster mitigation activities. For this project, BPS prepared the update to the Miami County Hazard Mitigation Plan with the purpose of identifying and assessing the hazards that pose the greatest risk to Miami County and its communities.

BPS completed an existing conditions assessment of Miami County, including demographics as well as historic hazard events. BPS also assessed risk by each hazard. Vulnerability assessments were conducted to determine each hazard's potential impact to infrastructure, population, and property, and estimate the economic losses that could result from a hazard event

Additionally, the BPS team collected GIS mapping data and performed a Level 1 Hazus analysis; facilitated virtual stakeholder and public engagement activities (due to the COVID-19 pandemic); collected mitigation action recommendations; and developed corresponding mitigation strategies to reduce losses from those hazards. The final plan established a coordinated process to implement the plan and was reviewed and approved by the Ohio and Federal Emergency Management Agencies.

Miami County Hazard Mitigation Plan – Risk Assessment Survey		Name/Department				
Dam Failure						
Frequency (1 of Events/Year)	<input type="checkbox"/> None	<input type="checkbox"/> Low (1-2)	<input type="checkbox"/> Medium (3-5)	<input type="checkbox"/> High (6-8)	<input type="checkbox"/> Excessive (9+)	
Avg. Duration of Response (Time period of response)	<input type="checkbox"/> Less than ½ Day	<input type="checkbox"/> Less than 1 Day	<input type="checkbox"/> Less than 1 Week	<input type="checkbox"/> Less than 1 Month	<input type="checkbox"/> Less than 1 Year	
Avg. Speed of Onset (Warning Time)	<input type="checkbox"/> Over 24 Hours	<input type="checkbox"/> 12 - 24 Hours	<input type="checkbox"/> 6 - 12 Hours	<input type="checkbox"/> Little to No Warning		
Avg. Magnitude (% of Community Affected)	<input type="checkbox"/> Less than 10%	<input type="checkbox"/> 10% - 25%	<input type="checkbox"/> 25% - 50%	<input type="checkbox"/> Greater than 50%		
Impact on Businesses (Length of time critical facilities could be shutdown)	<input type="checkbox"/> Less 24 Hours	<input type="checkbox"/> 1 Week	<input type="checkbox"/> 2 Weeks	<input type="checkbox"/> 30 Days or More		
Impact on People (12 and Severity of Injuries)	<input type="checkbox"/> No injuries	<input type="checkbox"/> Some Minor Injuries	<input type="checkbox"/> Multiple Severe Injuries	<input type="checkbox"/> Multiple Deaths		
Impact on Property (% of severely damaged properties)	<input type="checkbox"/> Less than 10%	<input type="checkbox"/> 10% - 25%	<input type="checkbox"/> 25% - 50%	<input type="checkbox"/> Greater than 50%		
Drought						
Frequency (1 of Events/Year)	<input type="checkbox"/> None	<input type="checkbox"/> Low (1-2)	<input type="checkbox"/> Medium (3-5)	<input type="checkbox"/> High (6-8)	<input type="checkbox"/> Excessive (9+)	
Avg. Duration of Response (Time period of response)	<input type="checkbox"/> Less than ½ Day	<input type="checkbox"/> Less than 1 Day	<input type="checkbox"/> Less than 1 Week	<input type="checkbox"/> Less than 1 Month	<input type="checkbox"/> Less than 1 Year	
Avg. Speed of Onset (Warning Time)	<input type="checkbox"/> Over 24 Hours	<input type="checkbox"/> 12 - 24 Hours	<input type="checkbox"/> 6 - 12 Hours	<input type="checkbox"/> Little to No Warning		
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