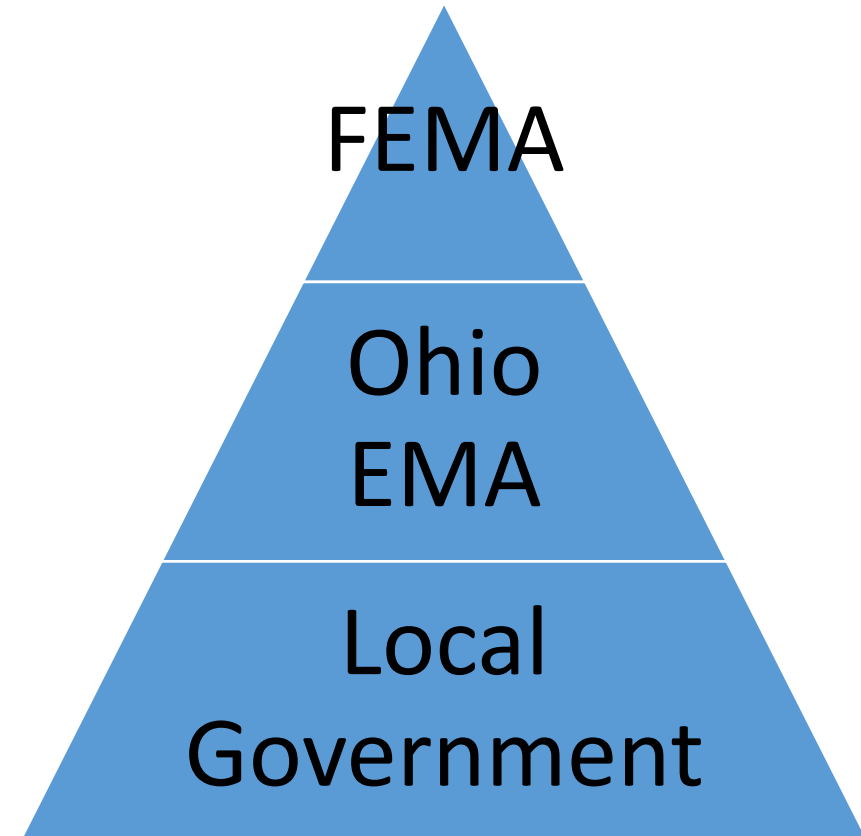
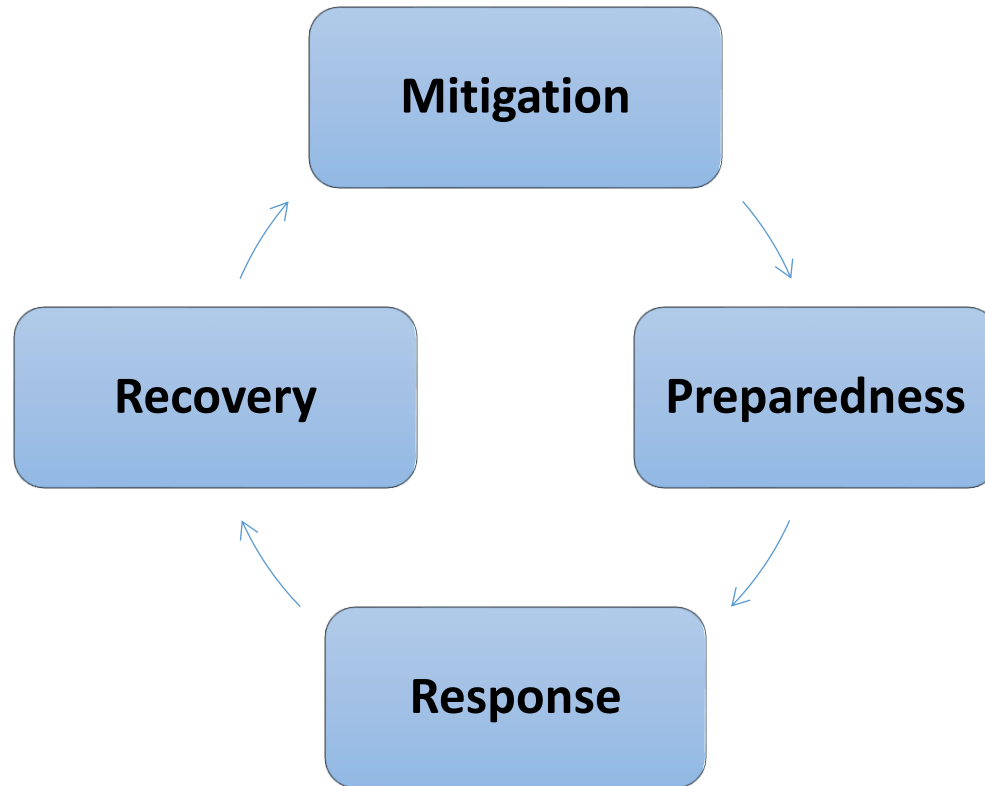


Mitigation Planning and Open Space Re-use

Steve Ferryman, CFM
Mitigation Branch Chief
Ohio Emergency Management Agency

Emergency Management



Ohio EMA Mitigation Branch

The mission of the Mitigation Branch is to integrate hazard mitigation principles in a variety of ways to make Ohio communities more sustainable and citizens more resilient in the face of future disaster events.

- Develop and maintain the SOHMP
- Assist Ohio communities in local mitigation planning efforts
- Administer FEMA's Hazard Mitigation Assistance grant programs
- Chair the State Hazard Mitigation Team



Disaster Mitigation Act of 2000 (DMA2K)

- Amended the Robert T. Stafford Act
- Establishes state and local mitigation planning requirement
- Establishes the 7% mitigation plan fund set-aside
- Increased Federal funds for mitigation projects based on type of state plan



44 CFR 201 – Mitigation Planning

- 201.3 - Outlines responsibilities of FEMA, States & local/tribal governments
- 201.4 - Standard State Mitigation Plan
- 201.5 – Enhanced State Mitigation Plans
- 201.6 – Local Mitigation Plans



Mitigation Planning Process



Organize Resources

- Assess community support
- Build the planning team
- Engage the public



Assess Risks

- Identify hazards
- Profile hazard events
- Inventory assets
- Estimate losses



Develop a Mitigation Plan

- Establish goals/objectives
- Identify/prioritize actions
- Prepare the strategy
- Document the process

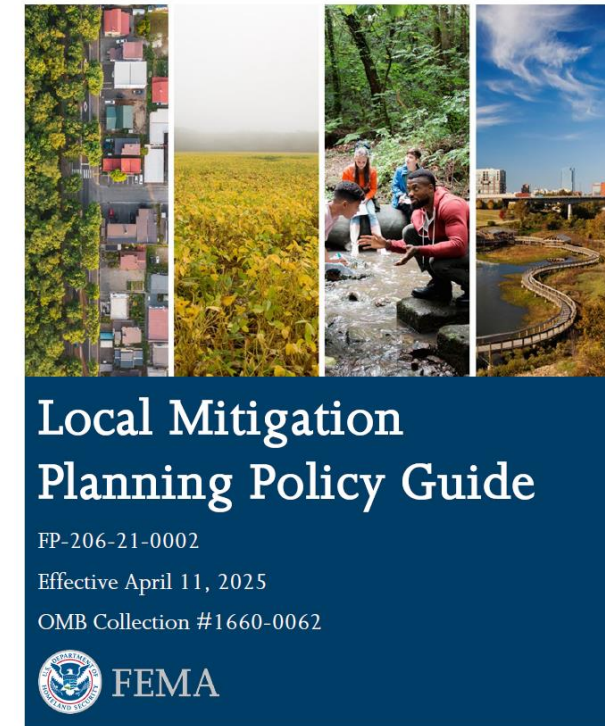
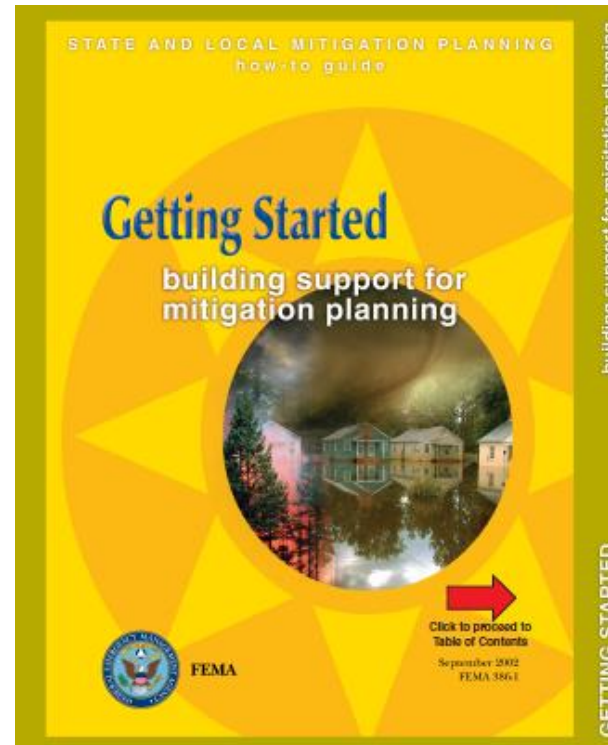
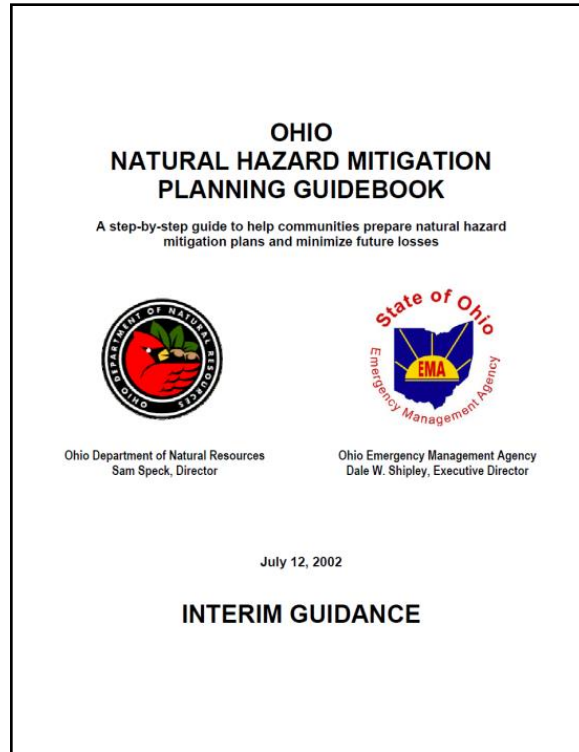


Implement the Plan and Monitor Progress

- Adopt the plan
- Implement the recommendations
- Evaluate results
- Revise the plan



Mitigation Planning Guidance



<https://ema.ohio.gov/mitigation-recovery/mitigation/mitigation-planning/resources/06-resources>

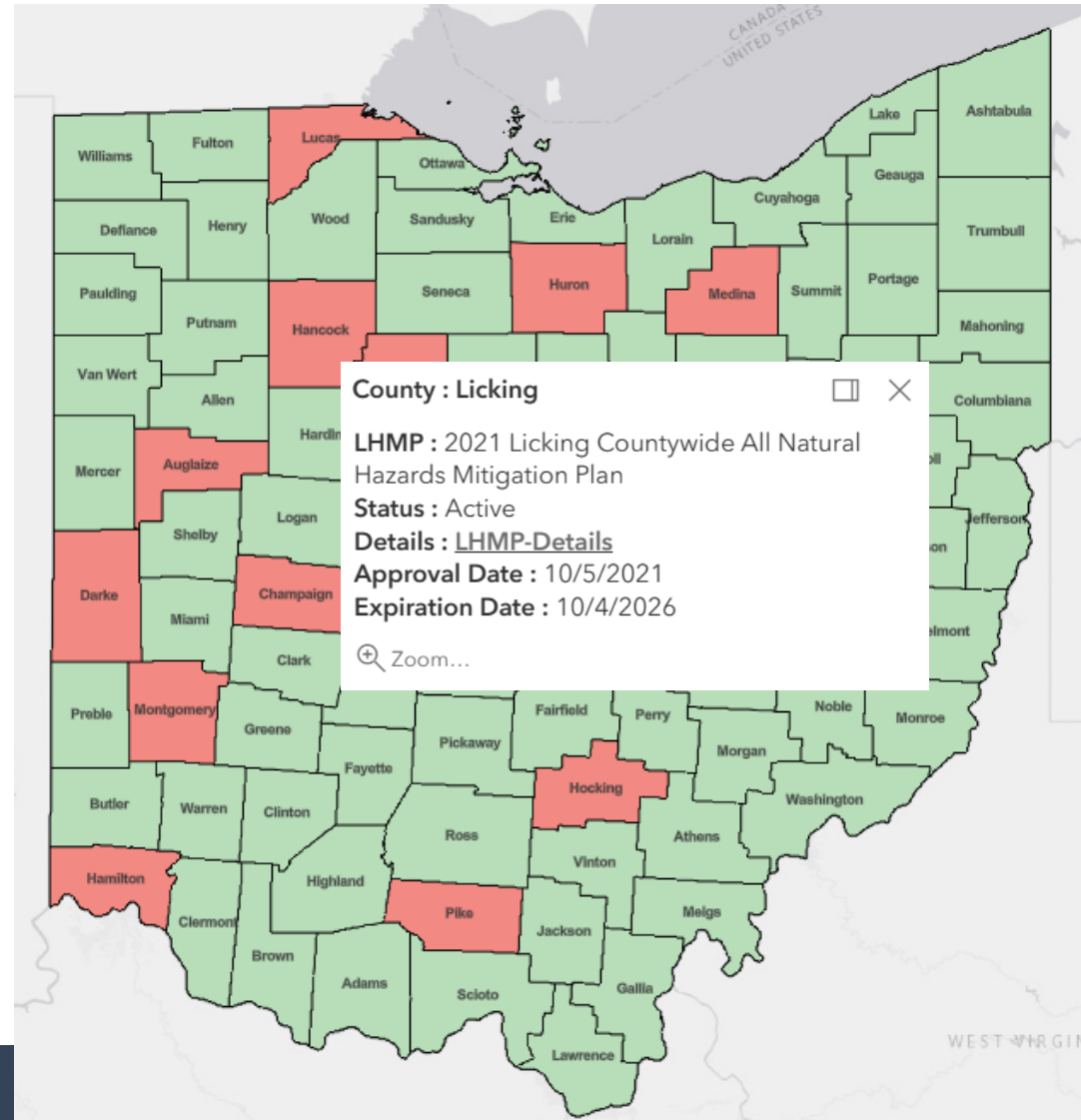
State of Ohio Hazard Mitigation Plan 2024 Update

- Enhanced assessment of flood risk for state owned critical facilities
- Incorporates National Risk Index (NRI) data
- Updated HAZUS Level 2 runs for counties in I-71 corridor
- Update of digital plan summary
- <https://ema.ohio.gov/mitigation-recovery/mitigation/mitigation-planning>



Local Hazard Mitigation Plans

- Multi-jurisdictional countywide plans
- Plans vary in quality and implementation
- County EMA Director responsible, but accomplished in different ways



Mitigation Information Portal – Local HIRA

Local Plan HIRA & Vulnerability Analysis

Title	Hazard	Frequency	Response	Onset	Magnitude	Business	Human	Property
2020 Fayette County Mitigation Plan	Coastal Erosion	0	0	0	0	0	0	0
	Dam/Levee Failure	1	2	3	1	1	1	1
	Drought	1	3	1	2	0	0	0
	Earthquake	1	1	1	1	1	1	1
	Flooding	2	1	2	1	0	0	0
	Invasive Species	0	0	0	0	0	0	0
	Land Subsidence	1	1	1	1	0	0	0
	Mud/Landslide	0	0	0	0	0	0	0
	Severe Summer Storm	3	2	2	3	0	0	1
	Tornado	2	1	3	1	0	2	2
	Wildfire	0	0	0	0	0	0	0
	Windstorm	0	0	0	0	0	0	0
	Winter Storms	3	2	3	4	0	4	4

MIP – Vulnerability Analysis

Local Plan HIRA & Vulnerability Analysis

Hazard	Structure Residential	Structure Non-Residential	Structure Critical	Structure Total	Damage Residential	Damage Non-Residential	Damage Critical	Damage Total
Coastal Erosion	0	0	0	0	\$0	\$0	\$0	\$0
Dam/Levee Failure	140	12	0	152	\$2,149,392	\$708,663	\$0	\$2,858,055
Drought	0	0	0	0	\$0	\$0	\$0	\$0
Earthquake	11,199	1,075	26	12,300	\$196,827,400	\$157,139,516	\$356,684	\$354,323,600
Flooding	11,199	1,075	26	12,300	\$8,140,000	\$0	\$0	\$8,140,000
Invasive Species	0	0	0	0	\$0	\$0	\$0	\$0
Land Subsidence	0	0	0	0	\$0	\$0	\$0	\$0
Mud/Landslide	0	0	0	0	\$0	\$0	\$0	\$0
Severe Summer Storm	336	32	0	368	\$68,774	\$12,697	\$0	\$81,471
Tornado	672	54	0	726	\$412,646	\$105,807	\$0	\$518,453
Wildfire	0	0	0	0	\$0	\$0	\$0	\$0
Windstorm	0	0	0	0	\$0	\$0	\$0	\$0
Winter Storms	280	27	0	307	\$157,608	\$52,904	\$0	\$210,512

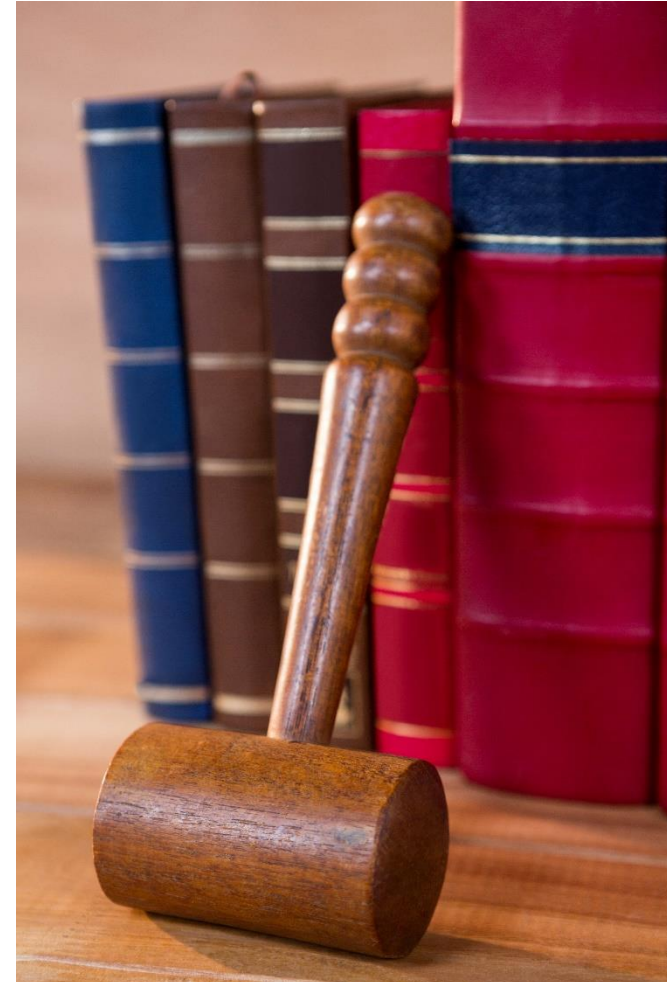


MIP – Local Hazard Mitigation Actions

Mitigation Action	Local Plan Name	Details	Priority	Status	Project Type	Project Lead	Estimated Cost
Construct additional water storage facility.	2020 Fayette County Mitigation Plan	Construct additional water storage facility for emergency crop management and fire suppression.	26	Unchanged	Planning, Fire Suppression, Crop Resilience	Jurisdictional Fire Chiefs, Fayette County Soil and Water Conservation District	500000.00
Partner with local environmental groups to make best use of flood-prone areas.	2020 Fayette County Mitigation Plan	Partner with local environmental groups to make best use of flood-prone areas that cannot be built upon.	22	Unchanged	Planning	Fayette County Commissioners, Mayors	0.00
Review and update regulations.	2020 Fayette County Mitigation Plan	Review and update laws and regulations to limit development in at risk areas and require minimum safe standards for structures.	15	Unchanged	Planning	Fayette County Commissioners, Township Trustees, Mayors	0.00
Update the County Land Use Document.	2020 Fayette County Mitigation Plan	Update the County Land Use Document to place greater restrictions on what can be built within the floodplain and to suggest many suitable alternative locations for mobile homes.	19	Unchanged	Planning	Fayette County Commissioners	0.00
Request update of Digital Flood Insurance Rate Maps (DFIRMS).	2020 Fayette County Mitigation Plan		21	Unchanged	Planning	Floodplain Managers	250000.00

Mitigation Planning and Legal Practice

- Plan formulation – STAPLEE
- Mitigation plan adoption
- Mitigation action implementation
 - Property closing
 - Deed review and recording
 - Open space issue resolution
 - Local hazard mitigation ordinance/building code/zoning code/subdivision regulation update
 - Procurement and contracts



<https://ema.ohio.gov/mitigation-recovery/mitigation>



Ohio Emergency
Management Agency

Prepare & Respond

Mitigation & Recovery

EMA / Mitigation & Recovery / Mitigation

Mitigation

Mitigation Grants

Hazards

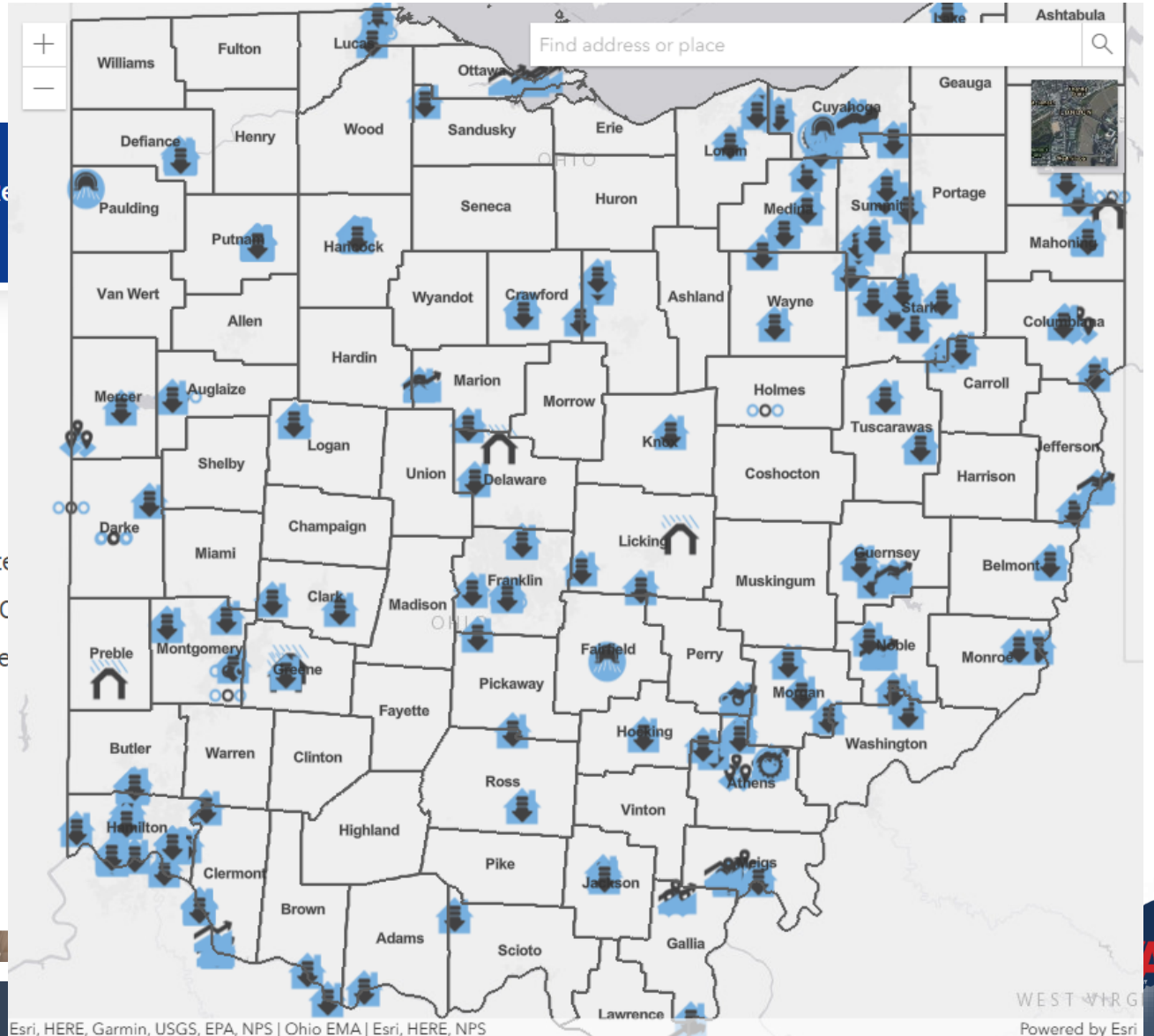
Mitigation Planning

Mitigation Projects

Reports

Mitigation

The mission of the Mitigation Branch is to integrate mitigation principles in a variety of ways to make Ohio more sustainable and citizens more resilient in the face of disaster events.



Ottawa Open Space Re-use Project



ELI Open Space

ing and Report

MAKING THE MOST OF OTTAWA'S FLOODPLAIN BUYOUTS

A COMMUNITY WORKSHOP

WELCOME

Since 2008, Ottawa has purchased 55 floodplain properties totaling approximately 1,000 acres of land with funding from all levels of government and private citizens. The land remained vacant and underutilized. But, these properties can be used to create parks, recreation, habitat, stormwater management, or other community benefits. Other communities across the country have developed parks and community gardens, restaurants, and provided recreational amenities on buyout land.

The goal of this workshop is to:

- Identify and prioritize potential uses for buyout sites in Ottawa
- Develop a strategy for implementing priority uses.

Former Arrowhead Mobile Home Park – Ottawa's Land

Past



Present



Future



The workshop was organized by the Village of Ottawa and the Ohio Environmental Protection Agency in collaboration with the Environmental Law Institute (eli.org/land-use/biodiversity/floodplain-buyouts) and The University of North Carolina at Chapel Hill (ie.unc.edu).

GREEN SPACE DEVELOPMENT PROJECT

550,000

500,000

450,000

400,000

350,000

300,000

250,000

200,000

150,000

100,000

50,000

Phase 1 - Rex Center Park

Phase 2 - West End

Phase 3 - Arrowhead Park

TO DONATE VISIT
WWW.OTTAWAOHIO.US

Sign Donated by: Phantasm Designs

MAKING THE MOST OF OTTAWA'S FLOODPLAIN BUYOUTS

COMMUNITY WORKSHOP HELD ON
NOVEMBER 29, 2017 IN OTTAWA, OHIO

and the University of North Carolina at Chapel Hill

November 2017

Arrowhead Park – Kayak Access and Walking Path



Dog Park



West End – Soccer Field Complex



Paul's Hardware Lot



Other Approved Natural Space Re-uses

- Native prairie planting on Elm Street
- Family gardens
- Extra yard space
- Urban fruit orchard
- Forested lots

