



Previous Mitigation Action Survey and 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.



Name:	Title and Organization:
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Erie County

Mitigation Action (Strategy)	Risk	Status	Ranking					
Develop a public education program for restrictions on water usage during drought conditions.	Drought and Extreme Heat	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> 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 a public education program on the hazards associated with droughts and extreme heat.	Drought and Extreme Heat	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> 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 educational program for restrictions on water usage during fire events.	Drought and Extreme Heat	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> 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:
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Erie County

Mitigation Action (Strategy)	Risk	Status	Ranking					
Develop a public education program on the dangers of earthquakes.	Earthquakes	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> 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 enforce appropriate building codes for structures to be constructed in seismic areas.	Earthquakes	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> 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
Evaluate the potential association of injection wells and how that is affected by earthquakes.	Earthquakes	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> 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:
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Erie County

Mitigation Action (Strategy)	Risk	Status	Ranking					
Assess and inventory problems with roadways susceptible to flooding within Erie County.	Flooding	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> 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
Assess and inventory problems with undersized culverts within Erie County.	Flooding	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> 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 provide educational information and promotion of urban and agricultural impacts of stormwater.	Flooding	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> 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:
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Erie County

Mitigation Action (Strategy)	Risk	Status	Ranking					
Eliminate cross contamination of storm and sanitary sewers by eliminating CSO and SSO systems.	Flooding	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> 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 program to acquire and demolish or retrofit existing flood prone properties within the County and Incorporated Jurisdictions.	Flooding	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> 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
Evaluate the need to consider Ice Jams as concern for those communities that are affected directly from these winter flooding hazard.	Flooding	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> 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:
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Erie County

Mitigation Action (Strategy)	Risk	Status	Ranking
Foster inter-agency coordination of floodplain management (Round Table).	Flooding	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> 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 a flood notification system and a river gauge system.	Flooding	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> 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 and assess Chapel Creek watershed to benefit Berlin Heights-Florence Twp.	Flooding	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> 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:
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Erie County

Mitigation Action (Strategy)	Risk	Status	Ranking					
Identify and assess culverts and undersized drainage pipe property and drainage affected on Kelley's Island.	Flooding	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> 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 and assess other localized flooding areas and direct tributaries to the Bay and Lake.	Flooding	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> 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 and assess Pipe Creek Watershed to identify actual hazard.	Flooding	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> 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:
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Erie County

Mitigation Action (Strategy)	Risk	Status	Ranking					
Increase capacity of sanitary sewer lift stations to avoid overflow.	Flooding	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> 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
Provide maintenance for ditches and waterways to avoid overflow due to sediment and debris build up.	Flooding	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> 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
Re-evaluate Franklin Flats neighborhood for a buyout program.	Flooding	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> 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:
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Erie County

Mitigation Action (Strategy)	Risk	Status	Ranking
Revise County Regulations after the FEMA Coastal Maps become official.	Flooding	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> 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 flood insurance rate maps (FIRMs).	Flooding	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> 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 and evaluate areas and tributaries impacted by stormwater.	Lake & Stream Bank Erosion	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> 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:
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Erie County

Mitigation Action (Strategy)	Risk	Status	Ranking					
Identify and evaluate Best Management Practices for stormwater and localized stream and lake bank erosion.	Lake & Stream Bank Erosion	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> 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
Provide additional monitoring of water levels in streams and rivers with stream gauges.	Lake & Stream Bank Erosion	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> 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 designated safe shelters that would provide protection from severe weather throughout the County.	Multiple Hazards	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> 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:
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Erie County

Mitigation Action (Strategy)	Risk	Status	Ranking					
Develop a tree maintenance program to prune or remove those trees recognized to be hazards.	Multiple Hazards	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> 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 provide outreach on the unique weather patterns in Erie County.	Multiple Hazards	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> 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 provide outreach program for County residents and those in the sensitive and/or special needs population covering the dangers associated with severe storms.	Multiple Hazards	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> 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:
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Erie County

Mitigation Action (Strategy)	Risk	Status	Ranking					
Evaluate the need for shelters for marinas and for tourist areas within the County.	Multiple Hazards	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> 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
Evaluate the potential to develop a Countywide Program for pre-wiring structures to accept generators.	Multiple Hazards	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> 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 high risk areas and evaluate land-use planning techniques to mitigate future events.	Multiple Hazards	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> 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:
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Erie County

Mitigation Action (Strategy)	Risk	Status	Ranking
Increase awareness and education on hazards by sharing information at established public meetings.	Multiple Hazards	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> 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
Provide additional interoperable sirens to provide early warnings to citizens of approaching severe weather.	Multiple Hazards	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> 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
Provide back-up generators (both temporary and permanent) for pumping and lift stations in sanitary sewer systems.	Multiple Hazards	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> 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:
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Erie County

Mitigation Action (Strategy)	Risk	Status	Ranking					
Provide more NOAA radios in critical facilities to move toward achieving a “Storm Ready” community status. Provide additional NOAA radios for other facilities such as private businesses.	Multiple Hazards	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> 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
Utilize Erie County’s Facebook Page and Twitter Account to conduct a social media campaign to increase education and awareness of hazards.	Multiple Hazards	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> 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 a public education campaign targeted at landowners to encourage ECO-Farming techniques aimed at reducing nutrient loads in Lake Erie.	Natural Biohazards	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> 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:
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Erie County

Mitigation Action (Strategy)	Risk	Status	Ranking					
Evaluate the types and effects of Invasive Species on Erie County and its residents.	Natural Biohazards	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> 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 a public education campaign encouraging homeowners and private businesses to install safe rooms and provide information about Ohio's Safe Room Rebate Program.	Tornadoes and Waterspouts	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> 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
Evaluate the need for multi-use shelters for marinas and for high tourist areas within the County.	Tornadoes and Waterspouts	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> 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