



Please send all electronic Word versions of this worksheet to Emily Vassallo (Tetra Tech) by **May 10th**  
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Jurisdiction: City of Bexley

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### What is a Hazard Ranking?

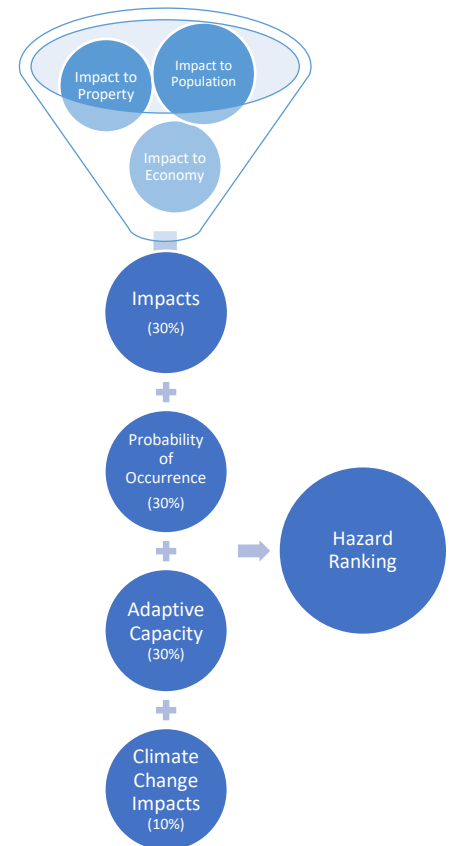
Hazard Ranking is used to understand your community's vulnerabilities to hazards and to prioritize projects and activities for mitigation.

Hazard Ranking is determined by quantitative and qualitative factors including:

1. The calculated probability of a hazard occurring based on historical data.
2. Impacts to people, property, and the economy based on GIS data and analysis of exposure.
3. The degree to which climate change will affect future occurrences based on best available data.
4. Adaptive Capacity, which is the ability your community has to respond to the hazard based on ordinances, mitigation strategies and procedures, and readiness.

### What is my Hazard Ranking?

The following table represent the calculated rankings for the hazards of concern for your community. Please review the calculated rankings and indicate whether or not you want to adjust the ranking. If you are changing the ranking, please provide detail as to why you are changing the ranking. **REMEMBER, for every hazard of concern, you need at least one mitigation action.**



**Table 1. 2023 HMP Municipal Hazard Rankings**

Hazard	Draft 2023 Ranking Based on RA Results	Agree with draft hazard ranking (Y/N)? If No, indicate preferred ranking.	What changes in mitigation or other conditions have resulted in the change in hazard ranking since 2018?
Dam/Levee	Low	Yes	
Disease Outbreak	Medium	Yes	Follow guidelines established by the Bexley Board of Health – Franklin County Board of Health
Drought	Low	Yes	City of Bexley Sustainability Department created in 2022 -
Earthquake	Low	Yes	2011 Land Use Strategy Plan
Extreme Temp	Medium	Yes	Increased green space – City of Bexley Sustainability Department created in 2022



Hazard	Draft 2023 Ranking Based on RA Results	Agree with draft hazard ranking (Y/N)? If No, indicate preferred ranking.	What changes in mitigation or other conditions have resulted in the change in hazard ranking since 2018?
Flood	Medium	Yes	Sanitary Sewer Inspection and Remediation Program – Upsizing/Lining pipes
Geologic (Erosion)	Low	Yes	Sanitary Sewer Inspection and Remediation Program – Upsizing/Lining pipes
Geologic (Land Subsidence)	Low	Yes	2011 Land Use Strategy Plan
Invasive Species	Low	Yes	Established City of Bexley Forestry Department - early detection and response
Severe Weather	High	Yes	BexAlert system, Social media blast
Severe Winter Weather	Medium	Yes	Pre-treatment applications – City facilities equipped with back-up generators
Tornado	Medium	Yes	BexAlert system, Social media blast, Weather Alert siren

### What is Adaptive Capacity?

Adaptive capacity describes a jurisdiction’s current ability to protect from or withstand a hazard event.

- **Weak** adaptive capacity means the jurisdiction does not have the capability to effectively respond, which leads to an increase in vulnerability. Examples include weak/outdated/inconsistent plans, policies, codes/ordinances in place; no redundancies; limited to no deployable resources; limited capabilities to respond; long recovery.
- **Moderate** adaptive capacity means minimum requirements are in place; moderate capabilities; mitigation measures are identified but not implemented widespread; jurisdiction can recover but needs outside resources.
- **Strong** adaptive capacity means the jurisdiction does have the capability to effectively respond, plans/policies exceed minimum requirements; deployable resources all of which decreases vulnerability.

**Table 2. 2023 HMP Municipal Adaptive Capacity**

Hazard	Preliminary Ranking	What should we indicate for your community’s adaptive capacity for each hazard?
Dam/Levee	Moderate	Moderate
Disease Outbreak	Moderate	Moderate
Drought	Moderate	Moderate
Earthquake	Moderate	Moderate
Extreme Temp	Moderate	Moderate
Flood	Moderate	Moderate
Geologic (Erosion)	Moderate	Moderate
Geologic (Land Subsidence)	Moderate	Moderate
Invasive Species	Moderate	Strong
Severe Weather	Strong	Strong
Severe Winter Weather	Moderate	Strong
Tornado	Moderate	Moderate