



Please send all electronic Word versions of this worksheet to Emily Vassallo (Tetra Tech) by May 10th  
Email: [Emily.vassallo@tetrtech.com](mailto:Emily.vassallo@tetrtech.com)

Jurisdiction: City of Bexley

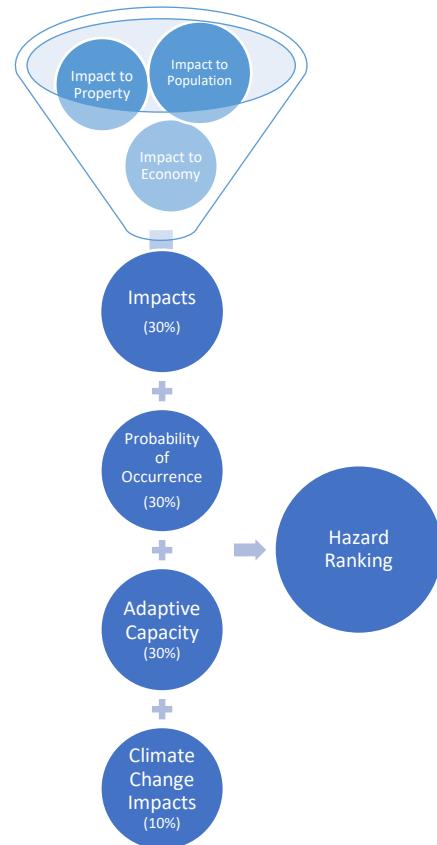
Name/Title of Individual Completing Worksheet: Dawn Overly - Lieutenant

### 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<br>Ranking Based on<br>RA Results | Agree with draft<br>hazard ranking<br>(Y/N)? If No, indicate<br>preferred ranking. | What changes in mitigation or other<br>conditions have resulted in the change in<br>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<br>Ranking | What should we indicate for your community's adaptive<br>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   |