**Mapping Activity Preparation Guide**

**Objective:** To generate the community maps and collect any necessary external information in preparation for Community Workshop #2 and the Participatory Mapping Activity

**Who:** The Core Team, guided by lessons learned from Community Workshop #1 and community stories

**Time Needed:** 1-2 Hours

**Other Requirements:** Internet access for using mapping tools or other means of downloading and sharing local maps

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| **Steps​** | **Community Building Pathway​** | **Community Building + Data Pathway​** |
| 1. Consider the goal the Core Team is trying to achieve through community participatory mapping. What are you trying to learn? What information do you want to relay to the community? What hazards does the community face? Who is most impacted? | ​ | ​ |
| 1. Obtain or generate base map(s) of the whole community | ​ | ​ |
| 1. Select and label HDTs in the community maps​ | ​ | ​ |
| ​4) Print maps (in-person workshop)  Download shareable maps (virtual workshop) | ​ | ​ |

Community Participatory

1. As a Core Team, determine both the information you are trying to learn from **and** relay to the community. This may be guided by the information your team learns in the Storytelling activity. Guiding questions:
   1. What specific types of hazards exist in your community?
   2. Who is most impacted?
   3. Where do disproportionately impacted members of the community live and work?
   4. Future threats (Climate change)?
2. Generate a large map of the community. Choose maps that are appropriate for the scale of your project. For example, if you are interested in looking at how different neighborhoods may be affected by hazards, choose a map that includes Census tracts or block groups.
3. No Action (to be completed in the community workshop)
4. **(Community Workshop #2 in-person)** Print large enough maps that multiple people can work on them simultaneously. You will need one map for each planned breakout group and one map that will be labeled with all the information from the breakout maps.

**(Community Workshop #2 virtual)** Download shareable maps`

Community Participatory with External Data

1. As a Core Team, determine both the information you are trying to learn from **and** relay to the community. This may be guided by the information your team learns in the Hazards activity, Equity activity, and Storytelling activity. Guiding questions:
   1. What specific types of hazards exist in your community?
   2. Who is most impacted?
   3. Where do disproportionately impacted members of the community live and work?
   4. Future threats (Climate change)?
2. Use the data gathered from your research on hazards and equity in the community and lessons from community storytelling to select 3-5 base layer maps of the community (block group or census tract level data). This selection is up to the Core Team and what they believe best depict equity and resilience in the community.
   1. Base layer options may include: (next page)
   2. Available mapping tools: (next page)
3. Use available mapping tools to label relevant built and natural risks and climate change threats. These should be labeled on all base layer maps.
   1. Examples of relevant risks and threats: (next page)
4. **(Community Workshop #2 in-person)** Print large enough maps that multiple people can work on them simultaneously. You will need one map for each planned breakout group and one map that will be labeled with all the information from the breakout maps.

**(Community Workshop #2 virtual)** Download shareable maps

Equity base layers may include, but are not limited to:

* % Population below poverty level
* % Population without high school diploma
* % Population in rented housing
* % Households without a vehicle
* % Population with limited English
* % Population racial/ethnic groups

Available Mapping Tools:

* Census Equity Tools
* EPA’s [EJ Screen](https://ejscreen.epa.gov/mapper/)
* [FEMA Resilience Analysis and Planning Tool (RAPT)](https://fema.maps.arcgis.com/apps/webappviewer/index.html?id=90c0c996a5e242a79345cdbc5f758fc6)
* [Neighborhoods at Risk](https://nar.headwaterseconomics.org/)

Risks and hazards may include, but are not limited to:

* Flood zones
* Low lying roads
* Hazardous facilities
* Waste Sites
* High heat areas (urban heat island effect)