**Mapping Activity Preparation Guide**

## [Purpose](#_[Name_of_Chapter)

To generate the community maps and collect any necessary external information in preparation for the Participatory Mapping Activity in Workshop 2.

## What you will need

**Who:** core team

**Where:** varies

**How long will it take:** 1-2 hours

**Materials:** internet access, printer

## Instructions

Follow the steps below to prepare your maps for the mapping activity in Workshop 2. There are 2 options depending how much hazards and equity data the team has.

## Steps to prepare map. Option 1: core team did not collect hazards or equity data as part of Expand Your Knowledge

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 hazards storytelling exercise. 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 (minimum suggested size is 2 by 3 feet). 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. **If performing the community workshop 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. Space the maps with enough room for several people to work on them at once.

**If performing the community workshop virtually:** Download shareable maps.

## Steps to prepare map. Option 2: core team did collect hazards or equity data as part of Expand Your Knowledge

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:
      1. % Population below poverty level
      2. % Population without high school diploma
      3. % Population in rented housing
      4. % Households without a vehicle
      5. % Population with limited English
      6. % Population racial/ethnic groups
   2. Available mapping tools:
      1. [U.S. Census Data Equity Tools](https://www.census.gov/about/what/data-equity/tools.html)
      2. EPA’s [EJ Screen](https://ejscreen.epa.gov/mapper/)
      3. [FEMA Resilience Analysis and Planning Tool (RAPT)](https://fema.maps.arcgis.com/apps/webappviewer/index.html?id=90c0c996a5e242a79345cdbc5f758fc6)
      4. [Neighborhoods at Risk](https://nar.headwaterseconomics.org/)
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. Risks and hazards may include, but are not limited to:
      1. Flood zones
      2. Low lying roads
      3. Hazardous facilities
      4. Waste Sites
      5. High heat areas (urban heat island effect)
4. **If performing the community workshop 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.

**If performing the community workshop virtually:** Download shareable maps.

## What to do next

Return to the ERB tool. The Participatory Mapping page contains detailed instructions for carrying out the mapping activity in Workshop 2.