

Step 1. - Identification of Hazards Primer for Butler County CANHMP

The first sub-step is to identify those natural hazards to which Butler County is susceptible. Consider all types of hazards including, but not limited to:

- Tornados
- Floods
- Thunderstorms and Lightning
- Severe Winter Storms
- Wildfires
- Landslides
- Land Subsidence

Sources for identifying hazards include:

- Local Historical Data
- Existing Reports and Plans
- Local, Regional and State Experts (floodplain managers, EMA staff, police/fire)

Use **Worksheet #1: Identify the Hazards** to keep track of your research.

The next sub-step is to determine which hazards are most prevalent in each jurisdiction, and eliminate those from further analysis that are not likely to occur within the County. The hazards which are determined likely to occur within each jurisdiction will be further investigated during the next step: **Step 2. Hazard Profile**. Utilize these sources to help complete this task:

- **Floods:** FEMA Flood Insurance Rate Maps. Review the maps to identify areas prone to flooding. If areas within the jurisdiction are prone to flooding, floods will be investigated during **Step 2. – Hazard Profile**.
- **Earthquakes:** Go to <http://geohazards.cr.usgs.gov/eq/pubmaps/US.pga.050.map.gif> to determine whether Butler County is located in an earthquake hazard zone. If there are areas within the County with 2%g (peak acceleration) or less, then there is a relatively low seismic risk and **Step 2** can likely be avoided for earthquakes. If there are areas within Butler County with 3%g peak acceleration or more, earthquakes will be investigated during **Step 2. – Hazard Profile**.
- **Tornados:** go to http://www.fema.gov/mit/bpat/bpn_tsfs.htm and locate Butler County on the US Wind Zone map. If Butler County is not located in one of the four colored zones or special regions on the map, **Step 2** can likely be avoided for tornados. If Butler County is located in one of the four colored zones or special wind regions, tornados will be investigated during **Step 2. – Hazard Profile**.
- **Landslides:** Go to http://landslides.usgs.gov/html_files/landslides/nationalmap/national.html and

identify the risk potential for landslides in Butler County. This information should be discussed with the Ohio State Geologist, who can be found at <http://www.kgs.ukans.edu/aasg>, and with the local public works director. If either the State Geologist or local public works director indicates a landslide risk in any of the jurisdictions, landslides will be investigated during **Step 2. – Hazard Profile.**

- **Wildfires:** go to http://www.fs.fed.us/land/wfas/fd_class.gif and locate Butler County on the map. If all of the jurisdictions are located in or near a low to moderate fire danger class and not located near forest, grasslands, or dense wooded areas, **Step 2** can likely be avoided for Wildfires. If any of the jurisdictions are in or near forest, grasslands, or dense wooded areas, or have a high to extreme fire danger class, have experienced a prolonged dry-period, or have experienced past wildfires, wildfires will be investigated during **Step 2. – Hazard Profile.**

Once **Step 1. Identification of Hazards** is complete, there will be a list of hazards that have and could affect each jurisdiction in Butler County.