

# GEMA Worksheet #3 Profile Hazard Events

County: Dougherty

Date: October 2003

How Bad Can It Get?

Task A. Obtain or create a base map.

GEMA will be providing you with a base map, USGS topos and DOQQ as part of our deliverables to local government for the planning process. Additionally, we will be providing you with detailed hazard layer coverages. These data layers originate from state or nationwide coverage or datasets. Therefore, it is important for local government to assess what you already have at the local level. It is important for you at the local level to have an idea of what existing maps you have available for the planning process. Some important things to think about:

- 1) What maps do we already have in the county that would be relevant to the planning process?
- 2) Have other local plans used maps or mapping technology where there is specific data that is also needed in my local plan?
- 3) What digital maps do we have?
- 4) Do we have any Geographic Information System (GIS) data, map themes or layers or databases here at the local level (or regional) that we can use?
- 5) If we do have any GIS data, where is it located at, and who is our local expert?
- 6) Are there any ongoing GIS or mapping initiatives at the local level in other planning or mapping efforts? If so, what are they, and what are the timetables for completion?
- 7) Are there mapping needs that have been identified at the local level in the past? If so, what are they and when were they identified?
- 8) Of the existing maps, GIS data and other digital mapping information, what confidence do we have at the local level that it is accurate data?

***Please answer the above questions on a separate sheet of paper and attach to this worksheet.***

It is important to realize that those counties that already have GIS and digital mapping, (ie: parcel level data, GPS fire hydrants, etc) higher levels of spatial accuracy and detail will exist for some data layers at the local level. However, for this planning process, that level of detail will not be needed on all layers in the overall mapping and analysis.

You can use existing maps from:

- Road Maps
- USGS topographic maps or Digital Orthophoto Quarter Quads (DOQQ)
- Topographic and/or planimetric maps from other agencies
- Aerial topographic and/or planimetric maps
- Field Surveys
- GIS software
- CADD software
- Digitized paper map

<b>Title of Map</b>	<b>Scale</b>	<b>Date</b>
<b>To be provided By GEMA</b>		

Task B. Obtain a hazard event profile.	Task C. Record your hazard event profile information.
Avalanche	
Coastal Storm / Coastal Erosion <ol style="list-style-type: none"> <li>1. Get a copy of your FIRM. <b>N/A</b></li> <li>2. Verify that the FIRM is up-to-date and complete.</li> <li>3. Determine the annual rate of coastal erosion. _____</li> <li>4. Find your design wind speed. _____</li> </ol>	<ol style="list-style-type: none"> <li>1. Transfer the boundaries of your coastal storm hazard areas onto your base map.</li> <li>2. Transfer the BFEs onto your base map.</li> <li>3. Record the erosion rates on your base map: _____</li> <li>4. Record the design wind speed here and on your base map: _____</li> </ol>
Dam Failure	
Drought	
Earthquake <ol style="list-style-type: none"> <li>1. Go to the <a href="http://geohazards.cr.usgs.gov">http://geohazards.cr.usgs.gov</a> Website.</li> <li>2. Locate your planning area on the map.</li> <li>3. Determine your PGA.</li> </ol>	<ol style="list-style-type: none"> <li>1. Record your PGA: _____</li> <li>2. If you have more than one PGA print, download or order your PGA map.</li> </ol>
Expansive Soils	
Extreme Heat	
Flood <ol style="list-style-type: none"> <li>1. Get a copy of your FIRM. <b>Completed</b></li> <li>2. Verify the FIRM is up-to-date and complete. <b>Yes (Oct 5, 2001)</b></li> </ol>	<ol style="list-style-type: none"> <li>1. Transfer the boundaries from your firm onto your base map (floodway, 100-yr flood, 500-yr flood).</li> <li>2. Transfer the BFEs onto your base map.</li> </ol>
Hailstorm	
Hurricane	
Land Subsidence	
Landslide <ol style="list-style-type: none"> <li>1. Map location of previous landslides. <b>N/A</b></li> <li>2. Map the topography. _____</li> <li>3. Map the geology. _____</li> <li>4. Identify thee high-hazard areas on your map. _____</li> </ol>	<ol style="list-style-type: none"> <li>1. Mark the areas susceptible to landslides onto your base map.</li> </ol>
Severe Winter Storm	
Tornado <ol style="list-style-type: none"> <li>1. Find your design wind speed. <b>100 MPH</b></li> </ol>	<ol style="list-style-type: none"> <li>1. Record your design wind speed: <b>100 MPH</b></li> <li>2. If you have more than one design wind speed, print, download or copy your design wind speed zones, copy the boundary of your design wind speed zones on your base map, then record the design wind speed zones on your base map.</li> </ol>
Tsunami	
Wildfire <ol style="list-style-type: none"> <li>1. Map the fuel models located within the urban-wildland interface areas. <b>N/A</b></li> <li>2. Map the topography. _____</li> <li>3. Determine your critical fire weather frequency.</li> <li>4. Determine your fire hazard severity. _____</li> </ol>	<ol style="list-style-type: none"> <li>1. Draw the boundaries of your wildfire hazard areas onto your base map.</li> </ol>
Other <ol style="list-style-type: none"> <li>1. Map the hazard. <b>N/A</b></li> </ol>	<ol style="list-style-type: none"> <li>1. Record hazard event info on your base map.</li> </ol>