|  |  |  |
| --- | --- | --- |
| **Hazard Ranking Worksheet for \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(municipality)** | | |
| Please fill out your community’s perception on the following hazards. Rank each of the following hazards on a scale of 1-24, with “1” being the most severe threat to your community and “24” being the least. Find a description and past significant occurrences of each hazard in the current County Hazard Mitigation Plan at [www.swmpc.org/hazmit\_2.asp](http://www.swmpc.org/hazmit_2.asp) (pages 30-93).  Check this box if you would like to accept Van Buren County’s ranking. (See other side for county scoring.) | | |
| **Hazard Type** | **County Ranking** | **Municipal Rank** |
| Severe Winter Weather (snowstorms, ice) | 1 |  |
| Severe Weather - Windstorms | 2 |  |
| Severe Weather - Lightning | 3 |  |
| Structure Fire | 4 |  |
| Hazardous Materials - Fixed sites | 5 |  |
| Hazardous Materials - Transportation (highway, railroad, boat, plan) | 5 |  |
| Drought | 6 |  |
| Infrastructure Failure (electric, water, sewage treatment, storm drainage, communications, roads/bridges) | 7 |  |
| Riverine/Urban Flooding | 8 |  |
| Extreme Temperatures (cold or hot) | 8 |  |
| Nuclear Plant Incident (release of radioactive material) | 9 |  |
| Earthquake | 10 |  |
| Public Health Emergency (epidemics, food/water contamination, extended period with no water/sewer services, etc) | 10 |  |
| Severe Weather – Tornado | 11 |  |
| Severe Weather - Hail | 12 |  |
| Transportation Accident (air, land or water based commercial passenger carrier resulting in death or serious injury) | 13 |  |
| Pipeline Accident (release of oil or gas from a pipeline) | 14 |  |
| Shoreline/Coastal Erosion (bluffs, along lake/river) | 15 |  |
| Fire - Wild (grass, brush or forested areas) | 16 |  |
| Oil/Gas Well Incident (release of oil or gas from a well) | 17 |  |
| Terrorism/Sabotage/Weapons of Mass Destruction | 18 |  |
| Dam Failure | 19 |  |
| Civil Disturbance | 20 |  |

**Ranking of Hazards for Van Buren County**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Occurrence** | | **Significance of Impact** | | | | **TOTAL SCORE** | **RANK** |
|  | **Likelihood** | **Frequency** | **Potential for causing casualties** | **Potential for causing negative economic effects** | **Potential Size of Affected Area** | **Potential Population Impacted** |
| **WEIGHT** | **40%** | **20%** | **20%** | **10%** | **5%** | **5%** |
| Winter Weather Hazards | 5 | 5 | 2 | 4 | 5 | 5 | 4.3 | 1 |
| Severe Weather - Winds | 5 | 5 | 1 | 3 | 2 | 2 | 3.7 | 2 |
| Severe Weather - Lightning | 5 | 5 | 1 | 2 | 2 | 2 | 3.6 | 3 |
| Structure Fire | 5 | 5 | 1 | 2 | 1 | 1 | 3.5 | 4 |
| Fixed Site Hazmat | 5 | 5 | 1 | 1 | 1 | 1 | 3.4 | 5 |
| Transportation Hazmat | 5 | 4 | 1 | 3 | 1 | 1 | 3.4 | 5 |
| Drought | 4 | 3 | 1 | 4 | 5 | 3 | 3.2 | 6 |
| Infrastructure Failure | 3 | 5 | 1 | 4 | 3 | 4 | 3.15 | 7 |
| Riverine/Urban Flooding | 4 | 4 | 1 | 1 | 1 | 1 | 2.8 | 8 |
| Extreme Temperatures | 3 | 4 | 1 | 3 | 5 | 1 | 2.8 | 8 |
| Nuclear Plant Accident | 2 | 1 | 4 | 4 | 5 | 5 | 2.7 | 9 |
| Earthquake | 3 | 4 | 1 | 1 | 4 | 1 | 2.55 | 10 |
| Public Health | 3 | 2 | 2 | 3 | 2 | 3 | 2.55 | 10 |
| Tornadoes | 3 | 4 | 1 | 2 | 1 | 1 | 2.5 | 11 |
| Hail | 3 | 4 | 1 | 1 | 2 | 1 | 2.45 | 12 |
| Transportation Accident | 3 | 2 | 2 | 1 | 1 | 1 | 2.2 | 13 |
| Pipeline Accident | 3 | 1 | 1 | 3 | 1 | 1 | 2 | 14 |
| Shoreline Flooding/Erosion | 3 | 1 | 1 | 2 | 1 | 1 | 1.9 | 15 |
| Wild Fire | 2 | 2 | 1 | 2 | 1 | 1 | 1.7 | 16 |
| Oil/Gas Well Incident | 2 | 1 | 1 | 1 | 1 | 1 | 1.4 | 17 |
| Terrorism/Sabotage/ WMD | 1 | 1 | 2 | 2 | 1 | 1 | 1.3 | 18 |
| Dam Failure | 1 | 1 | 1 | 2 | 1 | 1 | 1.1 | 19 |
| Civil Disturbance | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 20 |

**Occurrence - Likelihood** 1 = rare (0-30%); 2 = unlikely (31-50%); 3 = possible (51-70%), 4 = likely (71-90%); 5 = almost certain (>90%)

**Occurrence – Frequency** 1 = once every 20 years or more; 2 = once every 10 -20 years; 3 = once every 5-10 years; 4 = once every 1-5 years; 5 = once per year

**Potential for causing causalities** 1= none to minor; 2= moderate; 3 = high; 4 = very high; 5 = catastrophic

**Potential for causing negative economic effects** 1= none to minor; 2= moderate; 3 = high; 4 = very high; 5 = catastrophic

**Potential Size of Affected Area**  1 = very limited (0-10% of county); 2 – limited (11-20% of county); 3 = significant (21-50% of the county); 4 = widespread (51-90%); 5 = entire county (>90%)

**Potential Population Impacted** 1 = very limited (0-10% of county); 2 – limited (11-20% of county); 3 = significant (21-50% of the county); 4 = widespread (51-90%); 5 = entire county (>90%)