

Hurricane/Tropical Storm Identify. A tropical cyclone above 74 miles per hour is considered a hurricane and poses threats such as storm surge, high winds, and rainfall. A cyclone develops over tropical waters, generally far removed from land areas and usually moves westward under the influence of easterly winds. Over the Atlantic, Caribbean, and Gulf of Mexico, a storm may move westward until it strikes, moving under the influence of westerly winds of middle latitude and recurring northeastward. Most storms in Georgia approach from the southeast or southwest. Secondary effects, such as tornadoes and flooding, can result from a hurricane and greatly impact inland communities. The period of vulnerability extends from June through November. Mitigation includes activities to lessen the damage from such storms, including identification of floodplains for preservation of lives and property. The development of a plan to evacuate and shelter people ahead of the storm is a component of preparedness. Response and recovery involves assisting with damage assessment, debris removal, securing the perimeter, search and rescue, and providing health-related services along with re-entry into the community.

Hazard Scores

Flood Hazard Scores

The flood hazard scores are derived from the FEMA Q3 "Zone" values. The Q3 layer is derived from the FEMA paper flood insurance rate maps. Although the resolution is 1:24,000, which has an allowable error of 40 feet, FEMA recommends using 250 feet as the potential error. This layer cannot be used for a legal flood determination.

| Score | Original Value | Description |
|-------|----------------|--|
| 4 | Floodway | Floodway (within zone AE) |
| | V | 1% with Velocity no Base Flood Elevation (BFE) |
| | VE | 1% with Velocity BFE |
| 3 | A | 1% Annual Chance no BFE |
| | A99 | 1% Federal flood protection system |
| | AE | 1% has BFE |
| | AH | 1% Ponding has BFE |
| | AO | 1% Sheet Flow has depths |
| | AR | 1% Federal flood protection system |
| 2 | X500 | 0.2% Annual Chance |
| 1 | ANI | Area not included in survey |
| | D | Undetermined but possible |
| 0 | UNDES | Undesignated |
| | X | Outside Flood Zones |

SLOSH Hazard Scores

The Sea, Lake and Overland Surges from Hurricanes (SLOSH) is a computerized model to estimate storm surge heights and winds resulting from historical, hypothetical, or predicted hurricanes by taking into account pressure, size, forward speed, track, and wind speed from a storm. This layer represents the SLOSH results from a hypothetical event, showing SLOSH inundation areas for each category in the Saffir-Simpson Hurricane Scale. The areas inundated by a category 4 or category 5 storm surge have been combined to reflect their decreased probability of occurrence. The horizontal positional accuracy is unknown for this layer.

| Score | Original Value | Description |
|-------|----------------|-------------------------------------|
| 5 | 1 | Inundated By a Category 1 Hurricane |
| 4 | 2 | Inundated By a Category 2 Hurricane |
| 3 | 3 | Inundated By a Category 3 Hurricane |
| 2 | 4 | Inundated By a Category 4 Hurricane |
| | 5 | Inundated By a Category 5 Hurricane |

Seismic Hazard Scores

The seismic hazard layer is based on the USGS Probabilistic Seismic Hazard Map, showing the percentage of gravity that the area has a 2 percent probability of exceedance in 50 years. The score classification reflects that used by the IRC Seismic Design Categories. The horizontal positional accuracy is unknown for this layer.

| Score | Original Value | Description |
|-------|----------------|------------------|
| 4 | D1 | 50 - 83% gravity |
| 3 | C | 33 - 50% gravity |
| 2 | B | 17 - 33% gravity |
| 1 | A | 0 - 17% gravity |

Wildfire Risk Scores

The Wildfire Risk Layer was based on the USDA Forest Service, RMRS Fire Sciences Laboratory "Wildland Fire Risk to Flammable Structures, V 1.0" map. Although this data was not intended for use at a detail greater than state-wide analysis, it has been included as the best available data on wildfire risk. The scores are based on the risk value from the original layer. The horizontal positional accuracy is unknown for this layer.

| Score | Original Value | Description |
|-------|----------------|-------------|
| 4 | 5 | High |

| | | |
|---|---|-------------|
| 3 | 4 | Moderate |
| 2 | 3 | Low |
| 1 | 2 | Very Low |
| 0 | 1 | No Houses |
| | 7 | Agriculture |
| | 8 | Water |
| | 9 | City |

Wind Hazard Scores

The Wind Hazard Scores are based on the 2000 International Building Code, figure 1609 contours showing 3 second gust wind speeds with a 50 year return interval. The Northwest portion of the state scored an additional point for the 250 mph community tornado shelter design zone according to FEMA publications.

| Score | Original Value | Description |
|-------|---------------------------|---|
| 5 | > 120 mph | 3 second gust greater than 120 mph |
| 4 | 110 to 119 mph | |
| 3 | 100 to 109 mph | |
| 2 | 90 to 99 mph (or ZONE IV) | This score is also given to an area with Zone IV of the "Design Wind Speed Map for Community Shelters," representing an area exposed to 250 mph winds. This area is the Northwestern corner of the state. |
| 1 | < 90 mph | |