

**Windstorms/Hailstorms/Lightning Identify.** Severe thunderstorms, which occur mostly in the summer months, many times will bring strong winds, hail, and lightning, in addition to heavy rain, into the county. Such winds, hail, and lightning may cause a large amount of property damage, and are also a risk to the general public. Lightning is particularly dangerous to people, since although the bolt normally travels directly from cloud to the ground, it can also occur at angles away from the storm, and at a great distance.

## 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	

## Marty LeFiles

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**To:** cliff.atkinson@gmail.com; ajbelinc@msn.com; bhso17@mchsi.com; tema911@alltel.net; chiefbrooksdfd@alltel.net; Sherry Davidson; ddrake@swgrdc.org; ellisjim@alltel.net; mikef@tifton.net; emawc@worthcountyvoc.com; stacygriffin@alltel.net; mvjsegardc@accessatc.net; rayj@alltel.net; tcf@rose.net; nlacey@lowndescounty.com; alamb@camillaga.net; RLand@columbusga.org; jalsegardc@accessatc.net; Marty LeFiles; ccema@alltel.net; warmclung1@aol.com; colquittcode@yahoo.com; Quitman/County/GEMA@gema.state.ga.us; mkp@alltel.net; mcomm@surfsouth.com; claycountysheriff@alltel.net; brks911@surfsouth.com; Eric Vorwald; emaberrien@alltel.net; jimbc@surfsouth.com; dylan0315@alltel.net; icema@alltel.net; cholmsley@lcrdc.org  
**Subject:** Critical Facilities hazard layers scores

Good afternoon, all!

Over the past few weeks, there have been some questions regarding the scoring on the hazard layers within the ITOS Critical Facilities database. While I apologize for the time it has taken for me to get this to you, here are the answers:

SLOSH: 2 = low, 5 = high

seismic: 1 = low, 4 = high

Land Slide: 1 = High, 0 = none (0 always equal none and, since there are only two options for this one - yes or no - 1 is high)

Wind: 1 = low, 5 = high

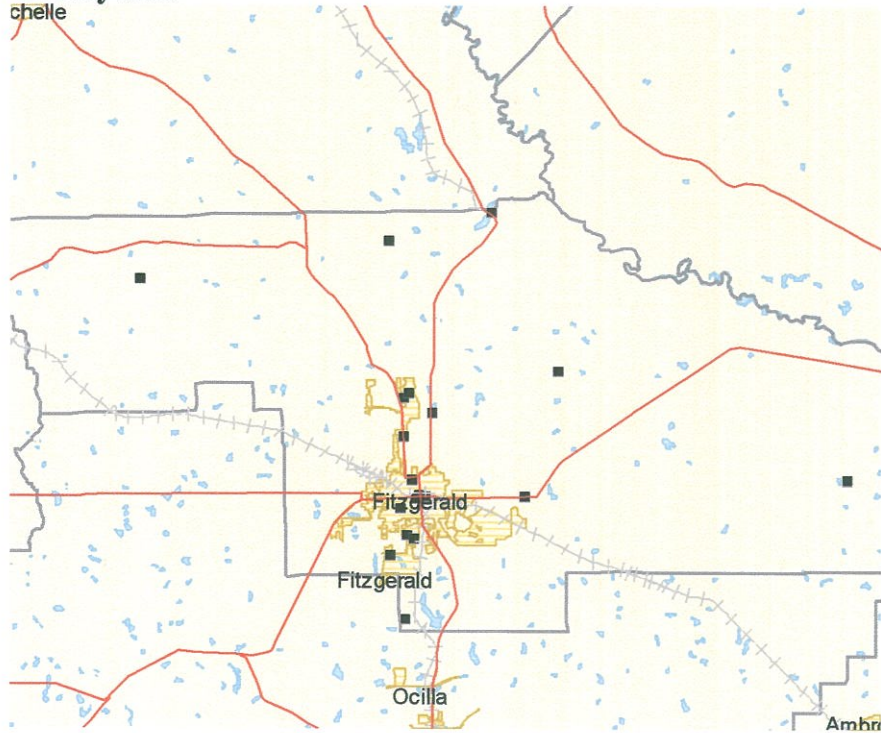
Wildfire: 1 = low, 4 = high

Flood: 1 = low, 4 = high

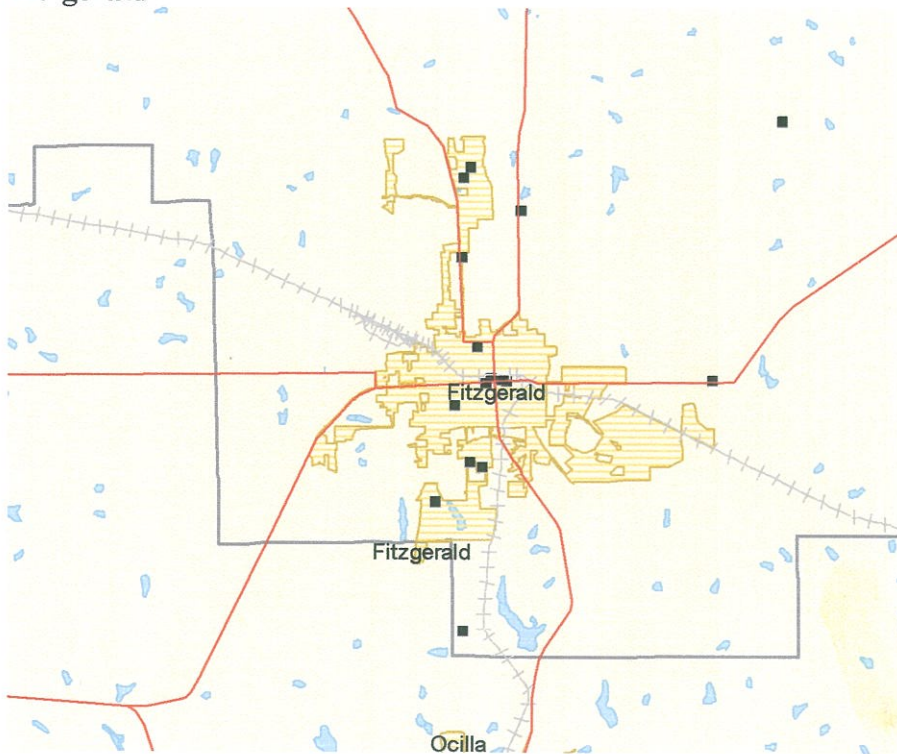
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# Ben Hill County Critical Facilities Location Map

## Countywide



## Fitzgerald



## Ben Hill County Critical Facilities Inventory Grouped by Jurisdiction

**NOTE:** Only completed facilities will be reported

Government Jurisdiction	Type	Name or Structure Description	Essential Facility	Transportation System	Lifeline System	High Potential Loss	Haz Mat Facility	Important Facility	Vulnerable Population	Economic Assets	Special Considerations	Historic Considerations	Other	Size of Bldg. (sq. ft.)	Replace Value (\$)	Replace Value Year	Contents Value	Contents Value Year	Functional Value	Displace Cost (\$per day)	Occupancy	Hazard Score	
Ben Hill County	Fire Station	Ben Hill Volunteer Fire Department Station 01	X	X	X		X	X						760	\$20,000	2004						No value	
Ben Hill County	Fire Station	Ben Hill Volunteer Fire Department Station 02	X	X	X		X	X						760	\$20,000	2004						No value	
Ben Hill County	Fire Station	Ben Hill Volunteer Fire Department Station 04	X	X	X		X	X						760	\$20,000	2004						No value	
Ben Hill County	Fire Station	Ben Hill Volunteer Fire Department Station 05	X	X	X		X	X						760	\$20,000	2004						No value	
Ben Hill County	Fire Station	Ben Hill Volunteer Fire Department Station 06	X	X	X		X	X						760	\$20,000	2004						No value	
Ben Hill County	Fire Station	GA Forestry Commission	X	X	X	X	X	X	X	X				4,324	\$226,200	2004						No value	
Ben Hill County	Private School	Bowen's Mill Christian Center				X		X	X		X	X		6,354	\$443,000	2004						No value	
Ben Hill County	Public Vocational Technical School	East Central Technical Institute	X	X	X	X	X	X	X	X	X			164,910	\$28,747,705	2004						No value	
<b>Totals for: Ben Hill County , Hazard Score = No Value</b>														179,388	\$29,516,905		\$0		\$0	\$0	0		

Fitzgerald city	Airport	Fitzgerald Municipal Airport	X								1,000	\$10,000	2005				No value
Fitzgerald city	City Hall	Fitzgerald City Hall	X			X					3,000	\$70,000	2005				No value
Fitzgerald city	City Jail	Ben Hill County Public Safety Complex	X	X	X	X	X	X			48,521	\$6,200,000	2004				No value
Fitzgerald city	Courthouse	Ben Hill County Courthouse	X	X	X	X	X	X			12,523	\$1,575,000	2004				No value
Fitzgerald city	Elementary School	Ben Hill County Elementary School	X	X	X	X	X	X			108,263	\$13,000,000	2004				No value
Fitzgerald city	Fire Station	Ben Hill Volunteer Fire Department Station 03	X	X	X	X					2,320	\$45,000	2004				No value
Fitzgerald city	Fire Station	Fitzgerald Fire Department	X	X	X	X					4,000	\$60,000	2005				No value
Fitzgerald city	Fire Station	Fitzgerald Fire Station	X	X	X	X	X				11,250	\$840,000	2004	\$80,000			No value
Fitzgerald city	High School	Fitzgerald High School	X	X	X	X	X	X			196,701	\$23,137,000	2004				No value
Fitzgerald city	Hospital, Admissions Entrance	Dorminy Medical Center	X	X	X	X	X	X			121,000	\$21,642,925	2004				No value
Fitzgerald city	Library	Library				X					11,454	\$709,000	2004	\$195,000			No value
Fitzgerald city	Middle School	Ben Hill County Middle School	X	X	X	X	X	X			83,291	\$10,200,000	2004				No value
Fitzgerald city	Other	Ben Hill County Commission Office	X			X	X	X			5,876	\$630,000	2004				No value
Fitzgerald city	Other	Ben Hill County Federal Building				X	X	X			8,124	\$135,000	2004				No value

Fitzgerald city	Other County Health Department	Ben Hill	X																					No value
Fitzgerald city	Other Chambers/Old City Hall	Council																						No value
Fitzgerald city	Other Garden/Grand Theatre Main Street office	Mayor's Office/Roof																						No value
Fitzgerald city	Police Station	Fitzgerald Police Department	X																					No value
Fitzgerald city	Police Station	Old Police Station																						No value
Fitzgerald city	Primary School	Ben Hill County Primary School	X	X	X	X	X	X	X															No value
Totals for: Fitzgerald city , Hazard Score = No Value																								
														735,902 <sup>2</sup>	\$90,362,667	\$1,096,745	\$0	\$0	\$0	0				

	Size of Bldg. (sq. ft.)	Replace Value(\$)	Contents Value	Functional Value(\$)	Displace Cost (\$ per day)	Occupancy
<b>Grand Totals:</b>	915,290 <sup>2</sup>	\$119,879,572	\$1,096,745	\$0	\$0	0

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- Pre-Disaster Mitigation
- Fiscal Year: 2003
- Report created: Oct 22, 2007
- For more information call GEMA Pre-Disaster Mitigation at 1-800-TRY-GEMA