

Appendix A

GEMA Worksheet #3a

Inventory of Assets

Jurisdiction: Ware County and Waycross, Georgia

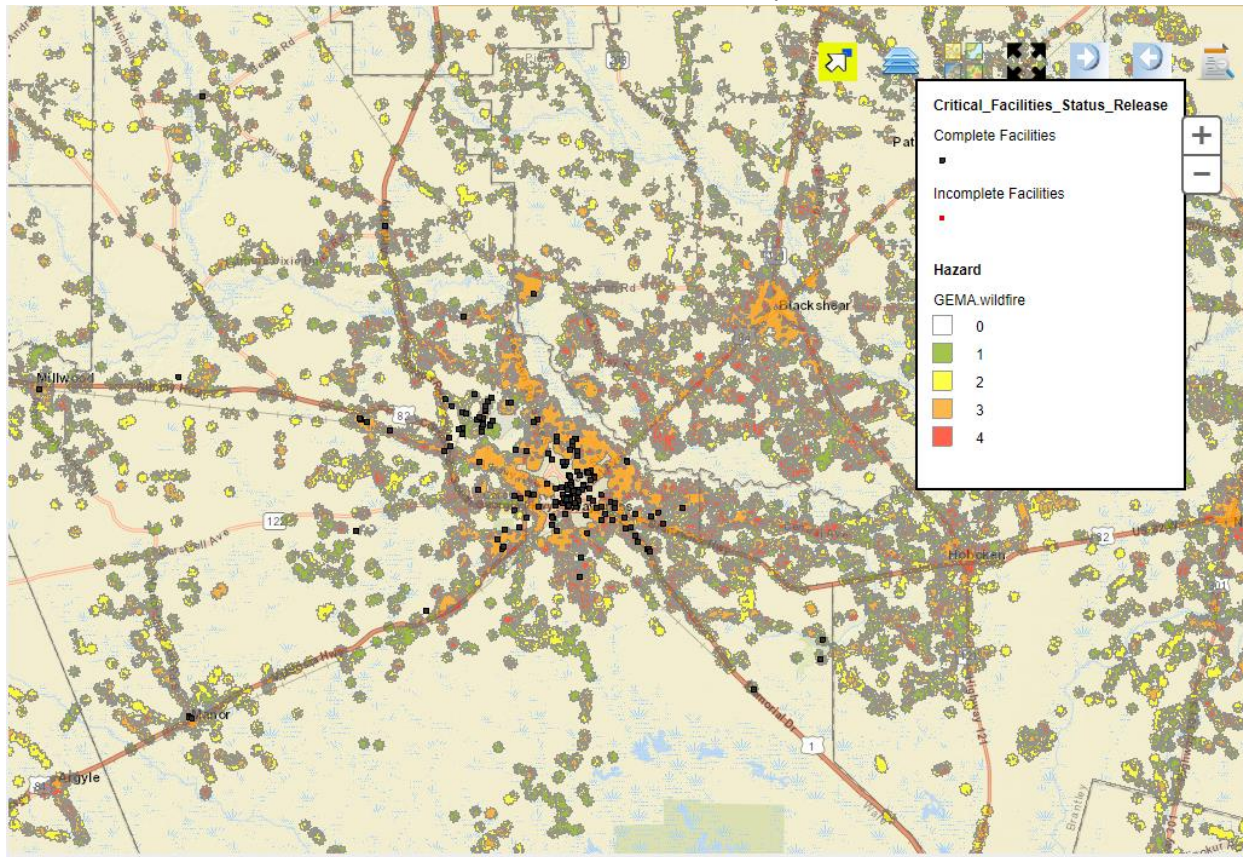
Hazard: 1. Wildfire

Task A. Determine the proportion of buildings, the value of buildings, and the population in your community or state that are located in hazard areas.

Type of Structure (Occupancy Class)	Number of Structures			Value of Structures			Number of People		
	# in Community of State	# in Hazard Area	% in Hazard Area	\$ in Community or State	\$ in Hazard Area	% in Hazard Area	# in Community or State	# in Hazard Area	% in Hazard Area
Residential	11,267	11,267	100.000%	969,871,348	969,871,348	100.000%	36,239	36,239	100%
Commercial	1,405	1,405	100.000%	267,232,927	267,232,927	100.000%	0	0	#DIV/0!
Industrial	93	93	100.000%	47,657,993	47,657,993	100.000%	0	0	#DIV/0!
Agricultural	791	791	100.000%	75,073,293	75,073,293	100.000%	0	0	#DIV/0!
Religious/ Non-profit	285	285	100.000%	71,466,731	71,466,731	100.000%	0	0	#DIV/0!
Government	388	388	100.000%	199,549,790	199,549,790	100.000%	0	0	#DIV/0!
Education	39	39	100.000%	39,731,472	39,731,472	100.000%	0	0	#DIV/0!
Utilities	66	66	100.000%	219,282,218	219,282,218	100.000%	0	0	#DIV/0!
Total	14,334	14,334	100.000%	1,889,865,772	1,889,865,772	100.000%	36,239	36,239	100%

Task B. Determine whether (and where) you want to collect additional inventory data.

- | | Y | N |
|---|---|---|
| 1. Do you know where the greatest damages may occur in your area? | Y | |
| 2. Do you know whether your critical facilities will be operational after a hazard event? | Y | |
| 3. Is there enough data to determine which assets are subject to the greatest potential damages? | Y | |
| 4. Is there enough data to determine whether significant elements of the community are vulnerable to potential hazards? | Y | |
| 5. Is there enough data to determine whether certain areas of historic, environmental, political, or cultural significance are vulnerable to potential hazards? | Y | |
| 6. Is there concern about a particular hazard because of its severity, repetitiveness, or likelihood of occurrence? | | N |
| 7. Is additional data needed to justify the expenditure of community or state funds for mitigation initiatives? | | N |



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

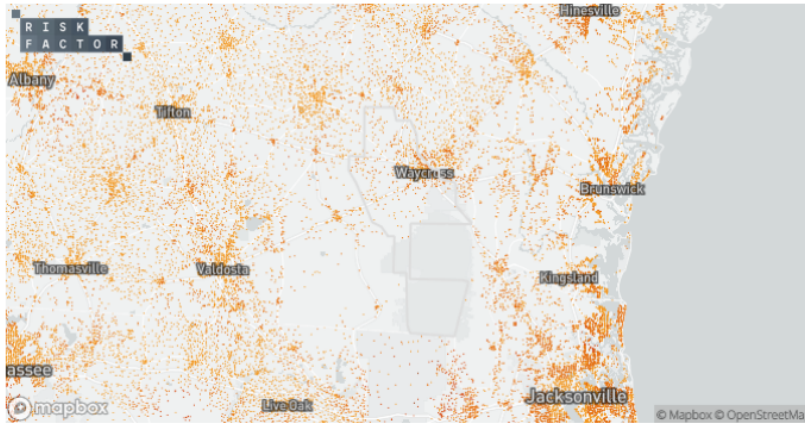
Does Ware County have risk?

Moderate



There are **21,658** properties in **Ware County** that have some risk of being affected by wildfire over the next 30 years. This represents **99%** of all properties in Ware County.

In addition to damaging properties, wildfire can also cut off access to utilities, emergency services, impact evacuation routes, and may impact the overall economic well-being of an area. Overall, **Ware County** has a **moderate risk of wildfire** over the next 30 years. This is based on the level of risk the properties face rather than the proportion of properties with risk.



Ware County Wildfire Risk ⓘ

Residential **Moderate Risk**

13,122 out of 13,123 homes ⓘ

Commercial **Moderate Risk**

1,145 out of 1,169 commercial properties ⓘ

Critical Infrastructure **Moderate Risk**

58 out of 58 infrastructure facilities ⓘ

Social Facilities **Moderate Risk**

55 out of 55 social facilities ⓘ



Explore community, infrastructure risk, and more with Risk Factor Pro™.

GEMA Worksheet #3a

Inventory of Assets

Jurisdiction: Ware County and Waycross, Georgia

Hazard: 2. Drought

Task A. Determine the proportion of buildings, the value of buildings, and the population in your community or state that are located in hazard areas.

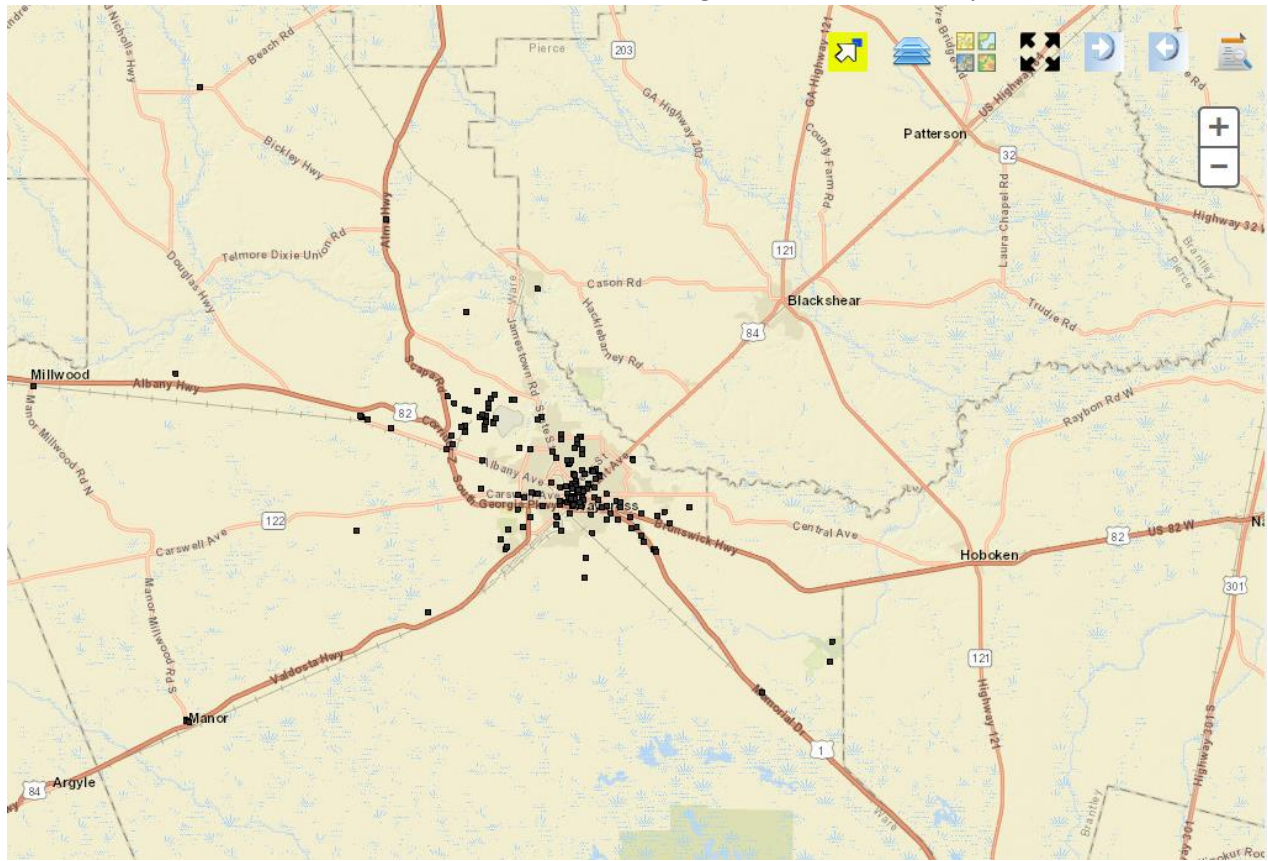
Type of Structure (Occupancy Class)	Number of Structures			Value of Structures			Number of People		
	# in Community of State	# in Hazard Area	% in Hazard Area	\$ in Community or State	\$ in Hazard Area	% in Hazard Area	# in Community or State	# in Hazard Area	% in Hazard Area
Residential	11,267	11,267	100.000%	969,871,348	969,871,348	100.000%	36,239	36,239	100%
Commercial	1,405	1,405	100.000%	267,232,927	267,232,927	100.000%	0	0	#DIV/0!
Industrial	93	93	100.000%	47,657,993	47,657,993	100.000%	0	0	#DIV/0!
Agricultural	791	791	100.000%	75,073,293	75,073,293	100.000%	0	0	#DIV/0!
Religious/ Non-profit	285	285	100.000%	71,466,731	71,466,731	100.000%	0	0	#DIV/0!
Government	388	388	100.000%	199,549,790	199,549,790	100.000%	0	0	#DIV/0!
Education	39	39	100.000%	39,731,472	39,731,472	100.000%	0	0	#DIV/0!
Utilities	66	66	100.000%	219,282,218	219,282,218	100.000%	0	0	#DIV/0!
Total	14,334	14,334	100.000%	1,889,865,772	1,889,865,772	100.000%	36,239	36,239	100%

Task B. Determine whether (and where) you want to collect additional inventory data.

- | | Y | N |
|---|---|---|
| 1. Do you know where the greatest damages may occur in your area? | Y | |
| 2. Do you know whether your critical facilities will be operational after a hazard event? | Y | |
| 3. Is there enough data to determine which assets are subject to the greatest potential damages? | Y | |
| 4. Is there enough data to determine whether significant elements of the community are vulnerable to potential hazards? | Y | |
| 5. Is there enough data to determine whether certain areas of historic, environmental, political, or cultural significance are vulnerable to potential hazards? | Y | |
| 6. Is there concern about a particular hazard because of its severity, repetitiveness, or likelihood of occurrence? | | N |
| 7. Is additional data needed to justify the expenditure of community or state funds for mitigation initiatives? | | N |

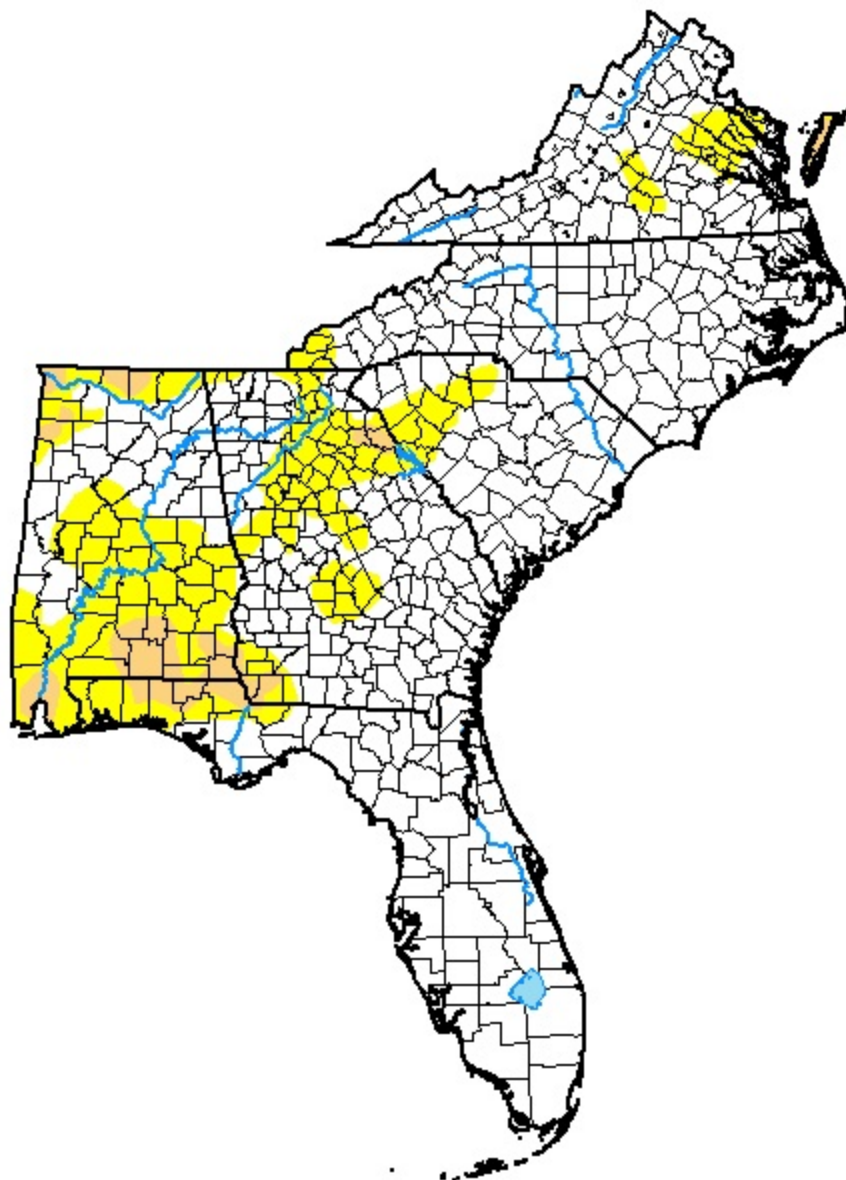
Critical Facilities and Hazard Potential for Hazards Affecting the Entire Community

GEMA 2022









U.S. Drought Monitor Southeast

October 4, 2022
(Released Thursday, Oct. 6, 2022)
Valid 8 a.m. EDT



Intensity:

-  None
-  D0 Abnormally Dry
-  D1 Moderate Drought
-  D2 Severe Drought
-  D3 Extreme Drought
-  D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:

Brad Pugh
CPC/NOAA



droughtmonitor.unl.edu

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Inventory of Assets

Jurisdiction: Ware County and Waycross, Georgia

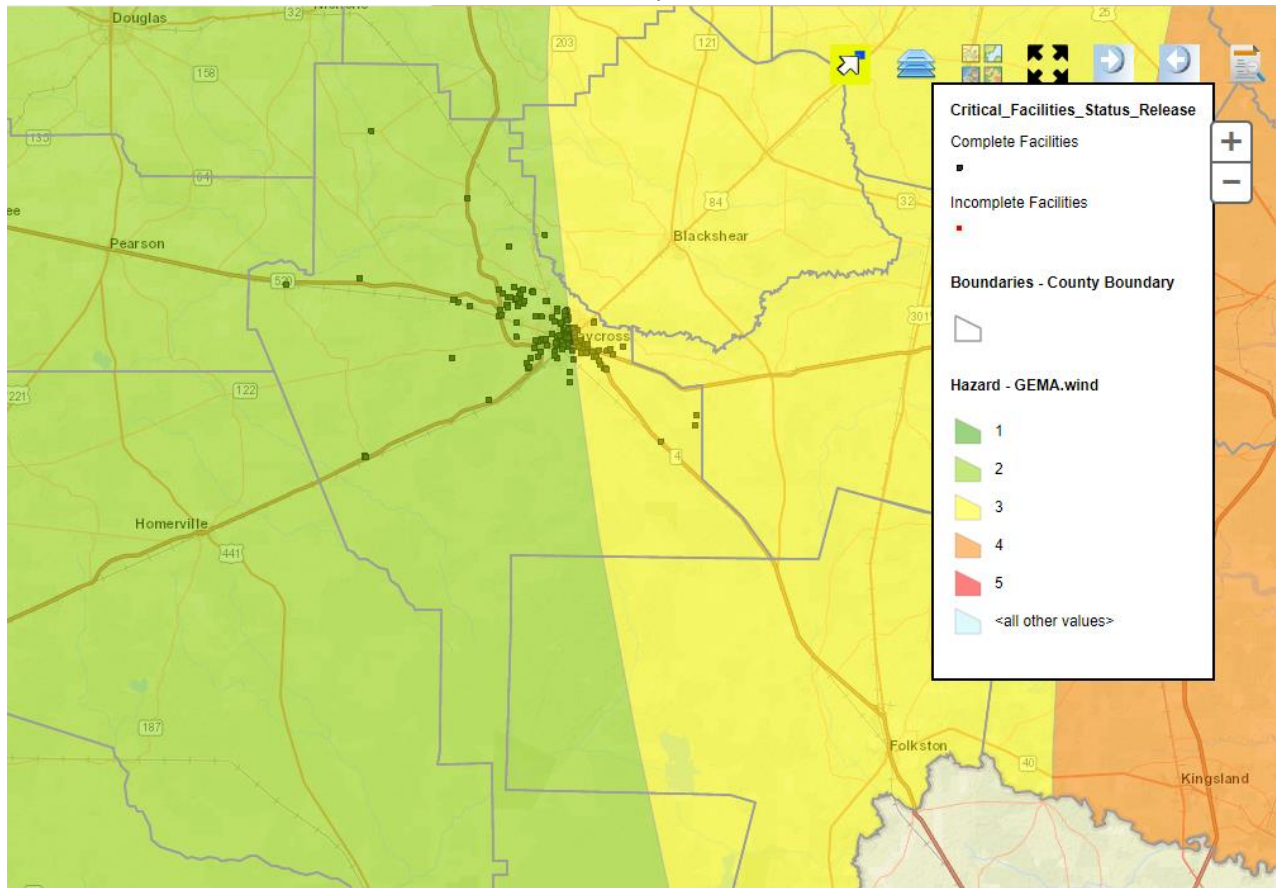
Hazard: 3. Thunderstorms and Wind

Task A. Determine the proportion of buildings, the value of buildings, and the population in your community or state that are located in hazard areas.

Type of Structure (Occupancy Class)	Number of Structures			Value of Structures			Number of People		
	# in Community of State	# in Hazard Area	% in Hazard Area	\$ in Community or State	\$ in Hazard Area	% in Hazard Area	# in Community or State	# in Hazard Area	% in Hazard Area
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Commercial	1,405	1,405	100.000%	267,232,927	267,232,927	100.000%	0	0	#DIV/0!
Industrial	93	93	100.000%	47,657,993	47,657,993	100.000%	0	0	#DIV/0!
Agricultural	791	791	100.000%	75,073,293	75,073,293	100.000%	0	0	#DIV/0!
Religious/ Non-profit	285	285	100.000%	71,466,731	71,466,731	100.000%	0	0	#DIV/0!
Government	388	388	100.000%	199,549,790	199,549,790	100.000%	0	0	#DIV/0!
Education	39	39	100.000%	39,731,472	39,731,472	100.000%	0	0	#DIV/0!
Utilities	66	66	100.000%	219,282,218	219,282,218	100.000%	0	0	#DIV/0!
Total	14,334	14,334	100.000%	1,889,865,772	1,889,865,772	100.000%	36,239	36,239	100%

Task B. Determine whether (and where) you want to collect additional inventory data.

- | | Y | N |
|---|----------|----------|
| 1. Do you know where the greatest damages may occur in your area? | Y | |
| 2. Do you know whether your critical facilities will be operational after a hazard event? | Y | |
| 3. Is there enough data to determine which assets are subject to the greatest potential damages? | Y | |
| 4. Is there enough data to determine whether significant elements of the community are vulnerable to potential hazards? | Y | |
| 5. Is there enough data to determine whether certain areas of historic, environmental, political, or cultural significance are vulnerable to potential hazards? | Y | |
| 6. Is there concern about a particular hazard because of its severity, repetitiveness, or likelihood of occurrence? | | N |
| 7. Is additional data needed to justify the expenditure of community or state funds for mitigation initiatives? | | N |



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	

GEMA Worksheet #3a

Inventory of Assets

Jurisdiction: Ware County and Waycross, Georgia

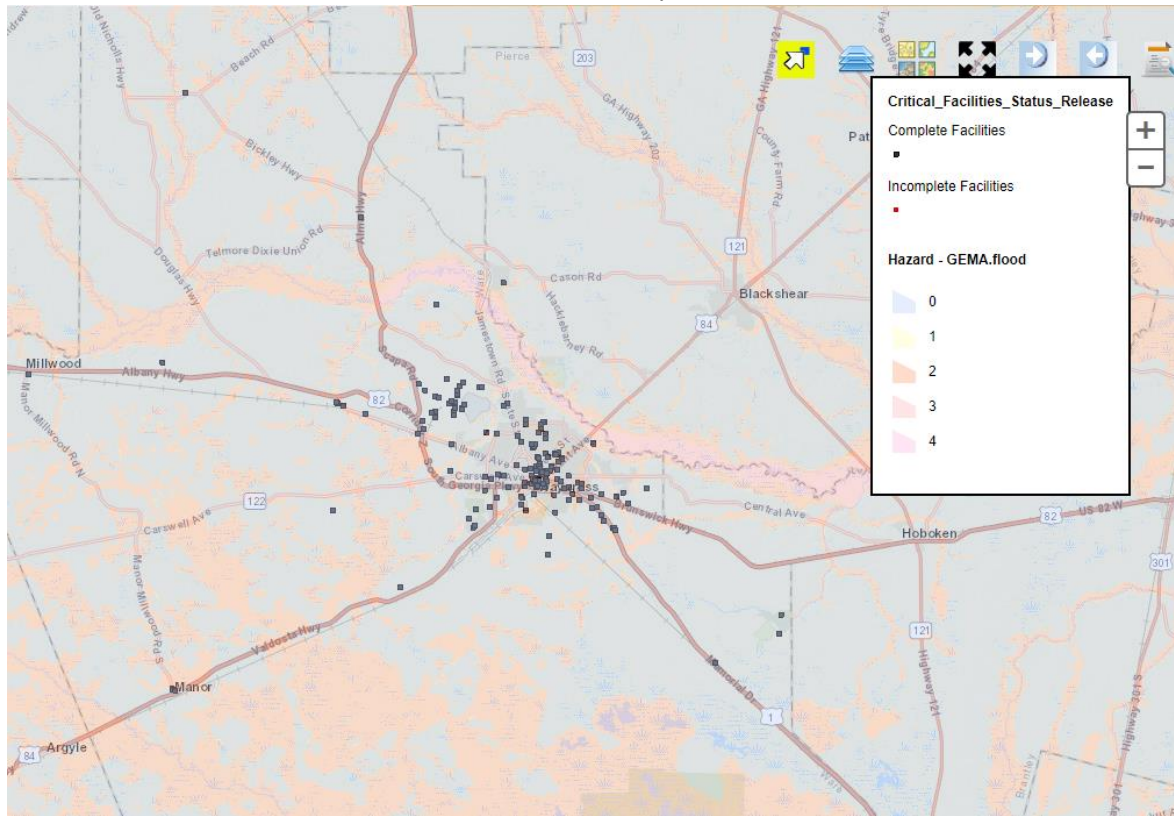
Hazard: 4. Flood

Task A. Determine the proportion of buildings, the value of buildings, and the population in your community or state that are located in hazard areas.

Type of Structure (Occupancy Class)	Number of Structures			Value of Structures			Number of People		
	# in Community of State	# in Hazard Area	% in Hazard Area	\$ in Community or State	\$ in Hazard Area	% in Hazard Area	# in Community or State	# in Hazard Area	% in Hazard Area
Residential	11,267	11,267	100.000%	969,871,348	969,871,348	100.000%	36,239	36,239	100%
Commercial	1,405	1,405	100.000%	267,232,927	267,232,927	100.000%	0	0	#DIV/0!
Industrial	93	93	100.000%	47,657,993	47,657,993	100.000%	0	0	#DIV/0!
Agricultural	791	791	100.000%	75,073,293	75,073,293	100.000%	0	0	#DIV/0!
Religious/ Non-profit	285	285	100.000%	71,466,731	71,466,731	100.000%	0	0	#DIV/0!
Government	388	388	100.000%	199,549,790	199,549,790	100.000%	0	0	#DIV/0!
Education	39	39	100.000%	39,731,472	39,731,472	100.000%	0	0	#DIV/0!
Utilities	66	66	100.000%	219,282,218	219,282,218	100.000%	0	0	#DIV/0!
Total	14,334	14,334	100.000%	1,889,865,772	1,889,865,772	100.000%	36,239	36,239	100%

Task B. Determine whether (and where) you want to collect additional inventory data.

- | | Y | N |
|---|----------|----------|
| 1. Do you know where the greatest damages may occur in your area? | Y | |
| 2. Do you know whether your critical facilities will be operational after a hazard event? | Y | |
| 3. Is there enough data to determine which assets are subject to the greatest potential damages? | Y | |
| 4. Is there enough data to determine whether significant elements of the community are vulnerable to potential hazards? | Y | |
| 5. Is there enough data to determine whether certain areas of historic, environmental, political, or cultural significance are vulnerable to potential hazards? | Y | |
| 6. Is there concern about a particular hazard because of its severity, repetitiveness, or likelihood of occurrence? | | N |
| 7. Is additional data needed to justify the expenditure of community or state funds for mitigation initiatives? | | N |



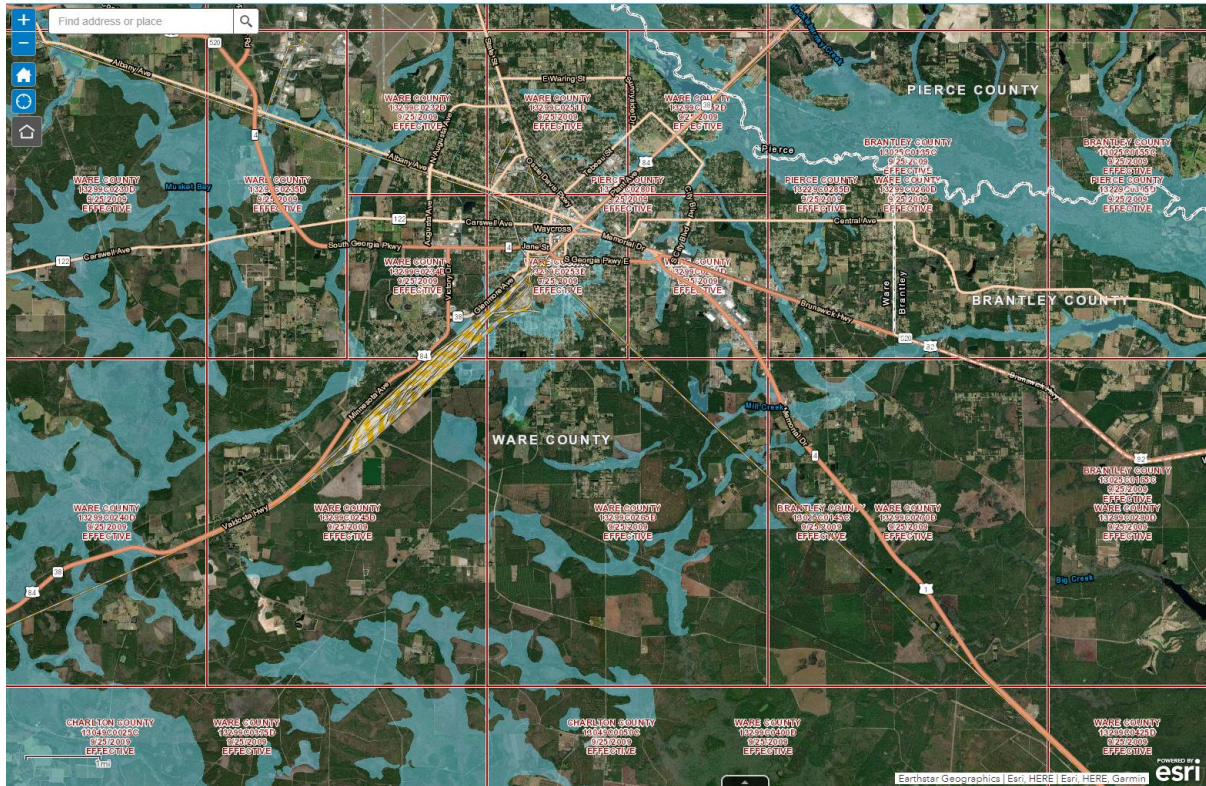
Flood Hazard Scores

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.

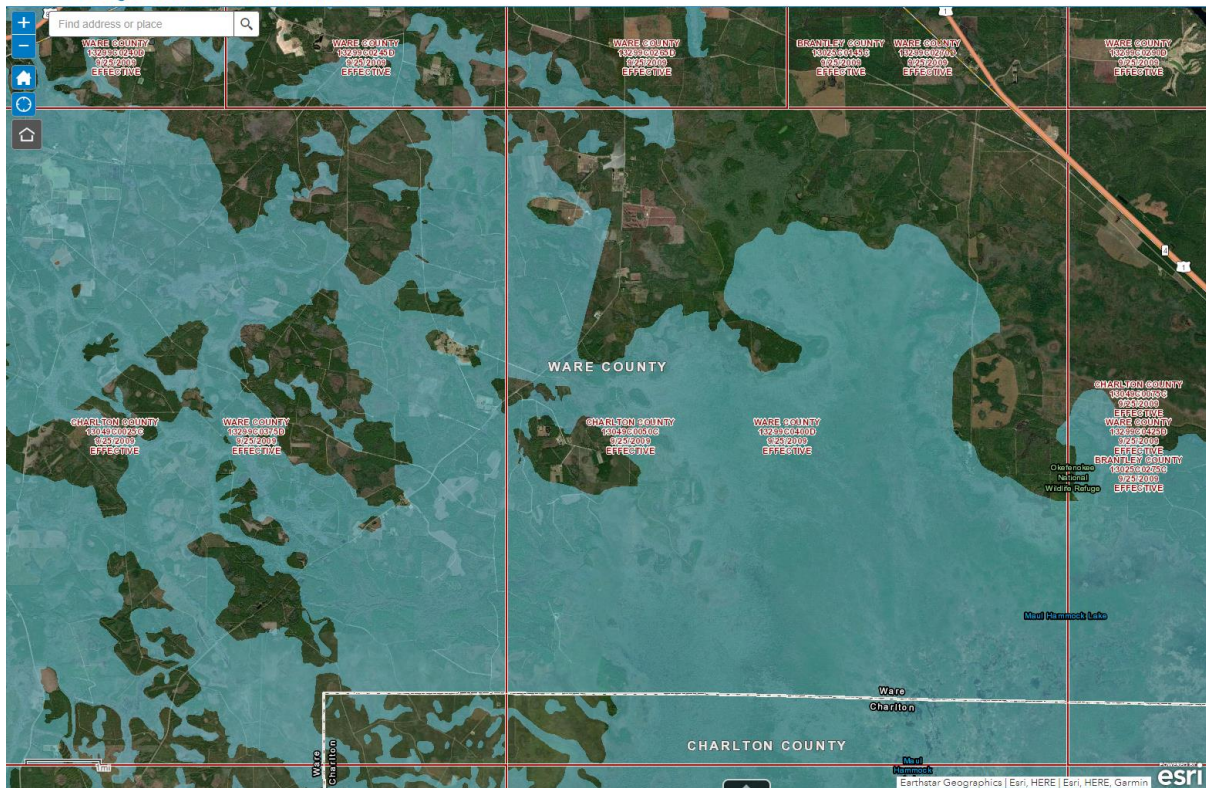
Score	Original Value	Description
4	Floodway	Floodway (within zone AE)
	V	1% with Velocity no Base Flood Elevation (BFE)
	VE	1% with Velocity BFE
3	A	1% Annual Chance no BFE
	A99	1% Federal flood protection system
	AE	1% has BFE
	AH	1% Ponding has BFE
	AO	1% Sheet Flow has depths
	AR	1% Federal flood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

Flood Insurance Rate Maps – Countywide – Ware 2022

GEORGIA Georgia Flood MAP - Flood Risk Viewer version 2.0



GEORGIA Georgia Flood MAP - Flood Risk Viewer version 2.0



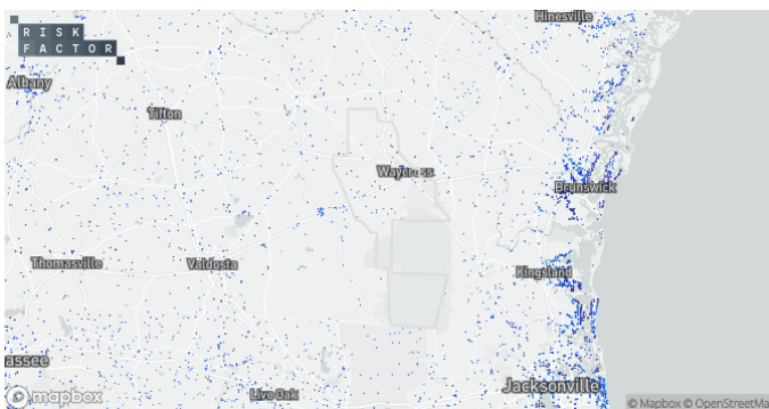
Does Ware County have risk?

Minor



There are 2,055 properties in **Ware County** that have greater than a 26% chance of being severely affected by flooding over the next 30 years. This represents 12% of all properties in Ware County.

In addition to damage on properties, flooding can also cut off access to utilities, emergency services, transportation, and may impact the overall economic well-being of an area. Overall, **Ware County** has a **minor risk of flooding** over the next 30 years, which means flooding is likely to impact day-to-day life within the community. This is based on the level of risk the properties face rather than the proportion of properties with risk.



[View additional community impacts with Risk Factor Pro™.](#)

Ware County Flood Risk

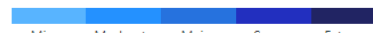
Residential **Minor Risk**
1,095 out of 13,123 homes ⓘ

Road **Minor Risk**
676 out of 2,508 miles of roads ⓘ

Commercial **Moderate Risk**
173 out of 1,169 commercial properties ⓘ

Critical Infrastructure **Minor Risk**
2 out of 21 infrastructure facilities ⓘ

Social Facilities **Minor Risk**
4 out of 55 social facilities ⓘ



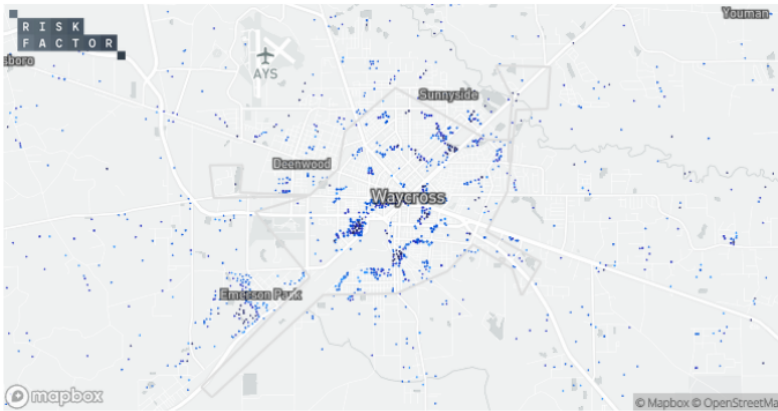
Does Waycross have risk?

Minor

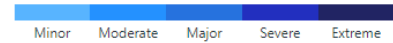


There are **971** properties in **Waycross** that have greater than a **26%** chance of being severely affected by flooding over the next 30 years. This represents **13%** of all properties in Waycross.

In addition to damage on properties, flooding can also cut off access to utilities, emergency services, transportation, and may impact the overall economic well-being of an area. Overall, **Waycross** has a **minor risk of flooding** over the next 30 years, which means flooding is likely to impact day-to-day life within the community. This is based on the level of risk the properties face rather than the proportion of properties with risk.



Waycross Flood Risk
Residential Minor Risk 628 out of 5,295 homes
Road Minor Risk 60 out of 250 miles of roads
Commercial Moderate Risk 149 out of 856 commercial properties
Critical Infrastructure Minor Risk 1 out of 7 infrastructure facilities
Social Facilities Minor Risk 3 out of 26 social facilities



Source: Riskfactor.com

GEMA Worksheet #3a

Inventory of Assets

Jurisdiction: Ware County and Waycross, Georgia

Hazard: 5. Extreme Heat

Task A. Determine the proportion of buildings, the value of buildings, and the population in your community or state that are located in hazard areas.

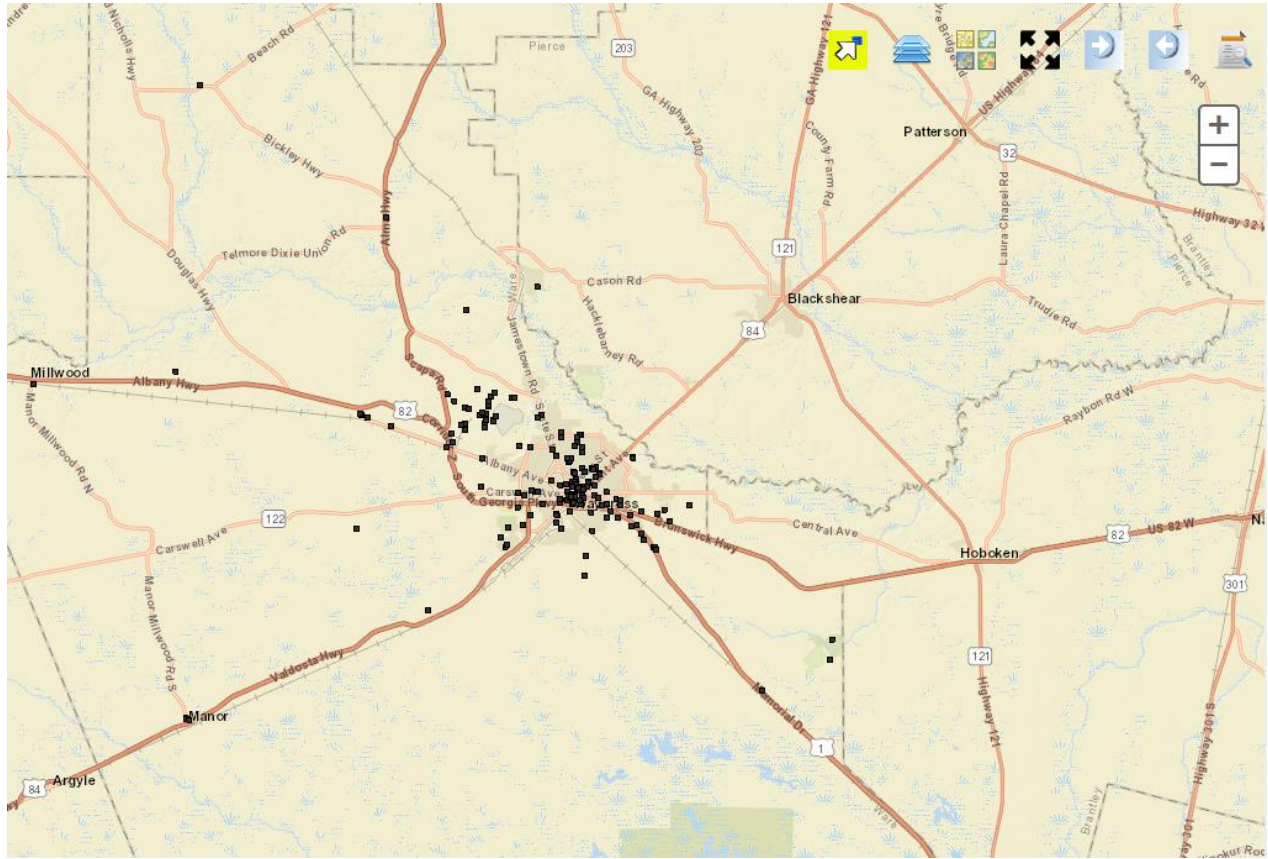
Type of Structure (Occupancy Class)	Number of Structures			Value of Structures			Number of People		
	# in Community of State	# in Hazard Area	% in Hazard Area	\$ in Community or State	\$ in Hazard Area	% in Hazard Area	# in Community or State	# in Hazard Area	% in Hazard Area
Residential	11,267	11,267	100.000%	969,871,348	969,871,348	100.000%	36,239	36,239	100%
Commercial	1,405	1,405	100.000%	267,232,927	267,232,927	100.000%	0	0	#DIV/0!
Industrial	93	93	100.000%	47,657,993	47,657,993	100.000%	0	0	#DIV/0!
Agricultural	791	791	100.000%	75,073,293	75,073,293	100.000%	0	0	#DIV/0!
Religious/ Non-profit	285	285	100.000%	71,466,731	71,466,731	100.000%	0	0	#DIV/0!
Government	388	388	100.000%	199,549,790	199,549,790	100.000%	0	0	#DIV/0!
Education	39	39	100.000%	39,731,472	39,731,472	100.000%	0	0	#DIV/0!
Utilities	66	66	100.000%	219,282,218	219,282,218	100.000%	0	0	#DIV/0!
Total	14,334	14,334	100.000%	1,889,865,772	1,889,865,772	100.000%	36,239	36,239	100%

Task B. Determine whether (and where) you want to collect additional inventory data.

- | | Y | N |
|---|---|---|
| 1. Do you know where the greatest damages may occur in your area? | Y | |
| 2. Do you know whether your critical facilities will be operational after a hazard event? | Y | |
| 3. Is there enough data to determine which assets are subject to the greatest potential damages? | Y | |
| 4. Is there enough data to determine whether significant elements of the community are vulnerable to potential hazards? | Y | |
| 5. Is there enough data to determine whether certain areas of historic, environmental, political, or cultural significance are vulnerable to potential hazards? | Y | |
| 6. Is there concern about a particular hazard because of its severity, repetitiveness, or likelihood of occurrence? | | N |
| 7. Is additional data needed to justify the expenditure of community or state funds for mitigation initiatives? | | N |

Critical Facilities and Hazard Potential for Hazards Affecting the Entire Community

GEMA 2022



Does Ware County have risk?

Severe



Ware County has severe risk from heat. This is due to "feels like" temperatures increasing, and because 100% of homes in Ware County have a Severe Heat Factor™.



Ware County heat risk

21,696 ⓘ

Total properties at risk

Heat Factor distribution of properties

- Minimal - 0
- Minor - 0
- Moderate - 0
- Major - 0
- Severe - 21.7K
- Extreme - 8

Explore community, infrastructure risk, and more with Risk Factor Pro™.

GEMA Worksheet #3a

Inventory of Assets

Jurisdiction: Ware County and Waycross, Georgia

Hazard: 6. Tornado

Task A. Determine the proportion of buildings, the value of buildings, and the population in your community or state that are located in hazard areas.

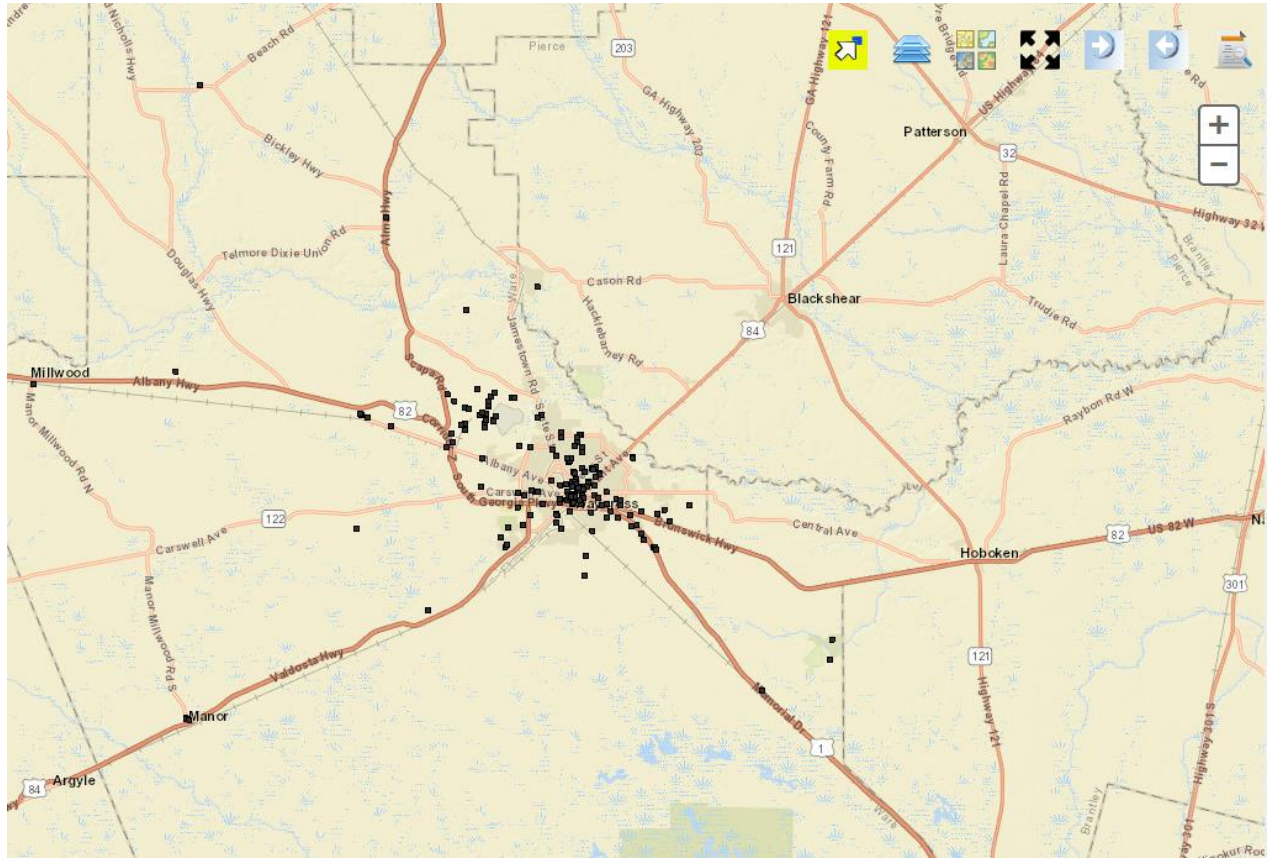
Type of Structure (Occupancy Class)	Number of Structures			Value of Structures			Number of People		
	# in Community of State	# in Hazard Area	% in Hazard Area	\$ in Community or State	\$ in Hazard Area	% in Hazard Area	# in Community or State	# in Hazard Area	% in Hazard Area
Residential	11,267	11,267	100.000%	969,871,348	969,871,348	100.000%	36,239	36,239	100%
Commercial	1,405	1,405	100.000%	267,232,927	267,232,927	100.000%	0	0	#DIV/0!
Industrial	93	93	100.000%	47,657,993	47,657,993	100.000%	0	0	#DIV/0!
Agricultural	791	791	100.000%	75,073,293	75,073,293	100.000%	0	0	#DIV/0!
Religious/ Non-profit	285	285	100.000%	71,466,731	71,466,731	100.000%	0	0	#DIV/0!
Government	388	388	100.000%	199,549,790	199,549,790	100.000%	0	0	#DIV/0!
Education	39	39	100.000%	39,731,472	39,731,472	100.000%	0	0	#DIV/0!
Utilities	66	66	100.000%	219,282,218	219,282,218	100.000%	0	0	#DIV/0!
Total	14,334	14,334	100.000%	1,889,865,772	1,889,865,772	100.000%	36,239	36,239	100%

Task B. Determine whether (and where) you want to collect additional inventory data.

- | | Y | N |
|---|---|---|
| 1. Do you know where the greatest damages may occur in your area? | Y | |
| 2. Do you know whether your critical facilities will be operational after a hazard event? | Y | |
| 3. Is there enough data to determine which assets are subject to the greatest potential damages? | Y | |
| 4. Is there enough data to determine whether significant elements of the community are vulnerable to potential hazards? | Y | |
| 5. Is there enough data to determine whether certain areas of historic, environmental, political, or cultural significance are vulnerable to potential hazards? | Y | |
| 6. Is there concern about a particular hazard because of its severity, repetitiveness, or likelihood of occurrence? | | N |
| 7. Is additional data needed to justify the expenditure of community or state funds for mitigation initiatives? | | N |

Critical Facilities and Hazard Potential for Hazards Affecting the Entire Community

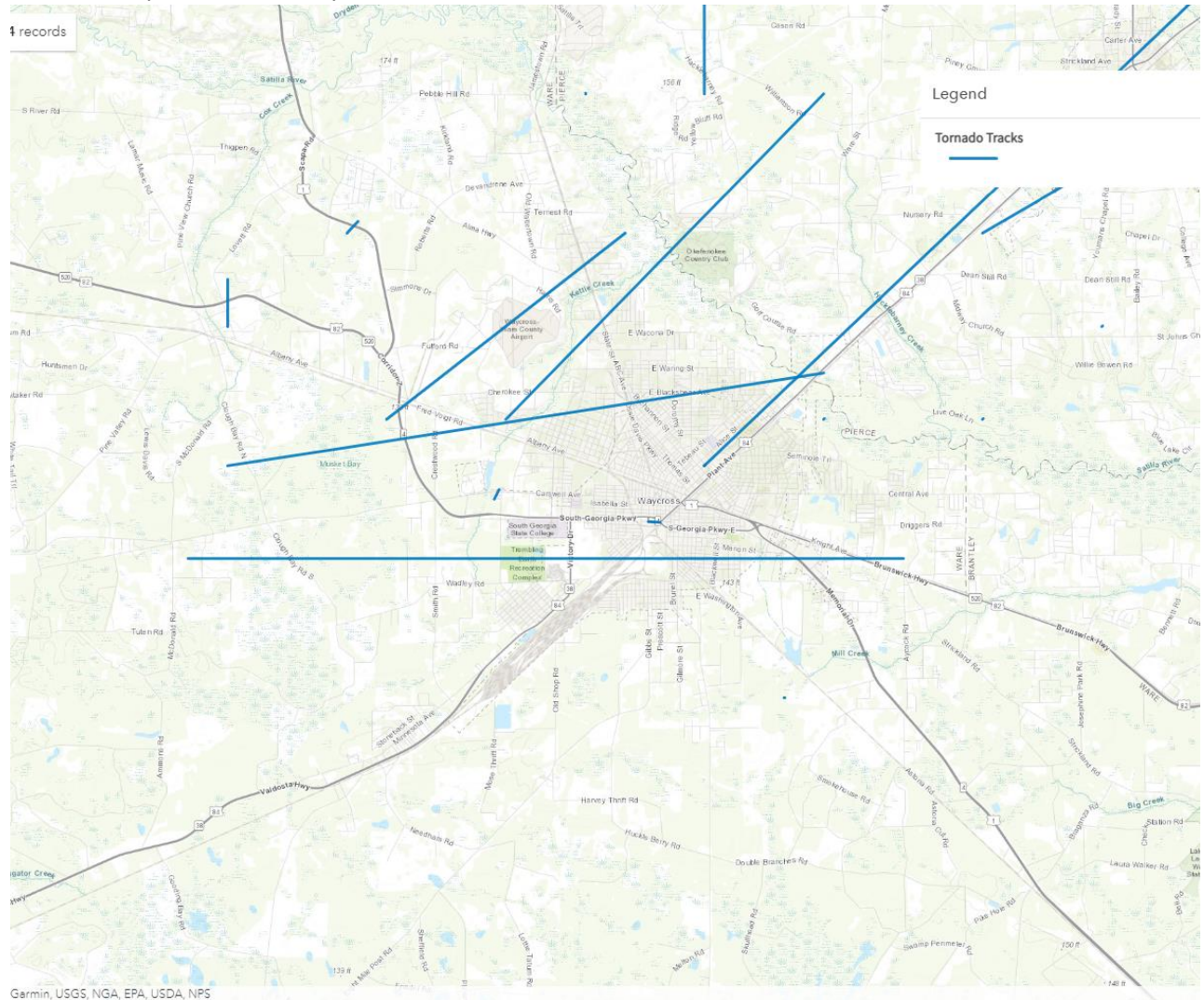
GEMA 2022



Tornado Map for Ware Co. Updated 7-11-2022

Source FEMA

4 records



Garmin, USGS, NGA, EPA, USDA, NPS

GEMA Worksheet #3a

Inventory of Assets

Jurisdiction: Ware County and Waycross, Georgia

Hazard: 7. Hail

Task A. Determine the proportion of buildings, the value of buildings, and the population in your community or state that are located in hazard areas.

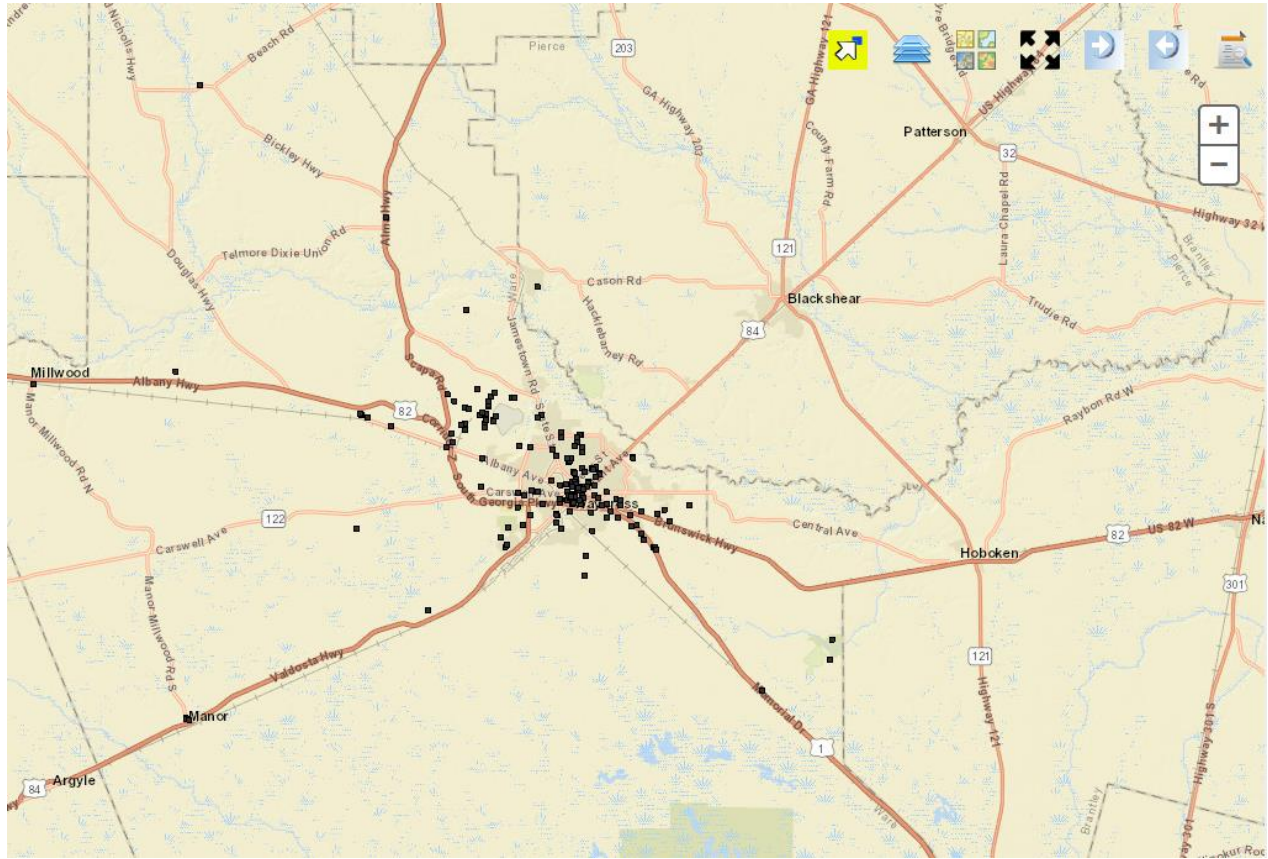
Type of Structure (Occupancy Class)	Number of Structures			Value of Structures			Number of People		
	# in Community of State	# in Hazard Area	% in Hazard Area	\$ in Community or State	\$ in Hazard Area	% in Hazard Area	# in Community or State	# in Hazard Area	% in Hazard Area
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Commercial	1,405	1,405	100.000%	267,232,927	267,232,927	100.000%	0	0	#DIV/0!
Industrial	93	93	100.000%	47,657,993	47,657,993	100.000%	0	0	#DIV/0!
Agricultural	791	791	100.000%	75,073,293	75,073,293	100.000%	0	0	#DIV/0!
Religious/ Non-profit	285	285	100.000%	71,466,731	71,466,731	100.000%	0	0	#DIV/0!
Government	388	388	100.000%	199,549,790	199,549,790	100.000%	0	0	#DIV/0!
Education	39	39	100.000%	39,731,472	39,731,472	100.000%	0	0	#DIV/0!
Utilities	66	66	100.000%	219,282,218	219,282,218	100.000%	0	0	#DIV/0!
Total	14,334	14,334	100.000%	1,889,865,772	1,889,865,772	100.000%	36,239	36,239	100%

Task B. Determine whether (and where) you want to collect additional inventory data.

- | | Y | N |
|---|---|---|
| 1. Do you know where the greatest damages may occur in your area? | Y | |
| 2. Do you know whether your critical facilities will be operational after a hazard event? | Y | |
| 3. Is there enough data to determine which assets are subject to the greatest potential damages? | Y | |
| 4. Is there enough data to determine whether significant elements of the community are vulnerable to potential hazards? | Y | |
| 5. Is there enough data to determine whether certain areas of historic, environmental, political, or cultural significance are vulnerable to potential hazards? | Y | |
| 6. Is there concern about a particular hazard because of its severity, repetitiveness, or likelihood of occurrence? | | N |
| 7. Is additional data needed to justify the expenditure of community or state funds for mitigation initiatives? | | N |

Critical Facilities and Hazard Potential for Hazards Affecting the Entire Community

GEMA 2022



GEMA Worksheet #3a

Inventory of Assets

Jurisdiction: Ware County and Waycross, Georgia

Hazard: 8. Hurricanes/Tropical Storms

Task A. Determine the proportion of buildings, the value of buildings, and the population in your community or state that are located in hazard areas.

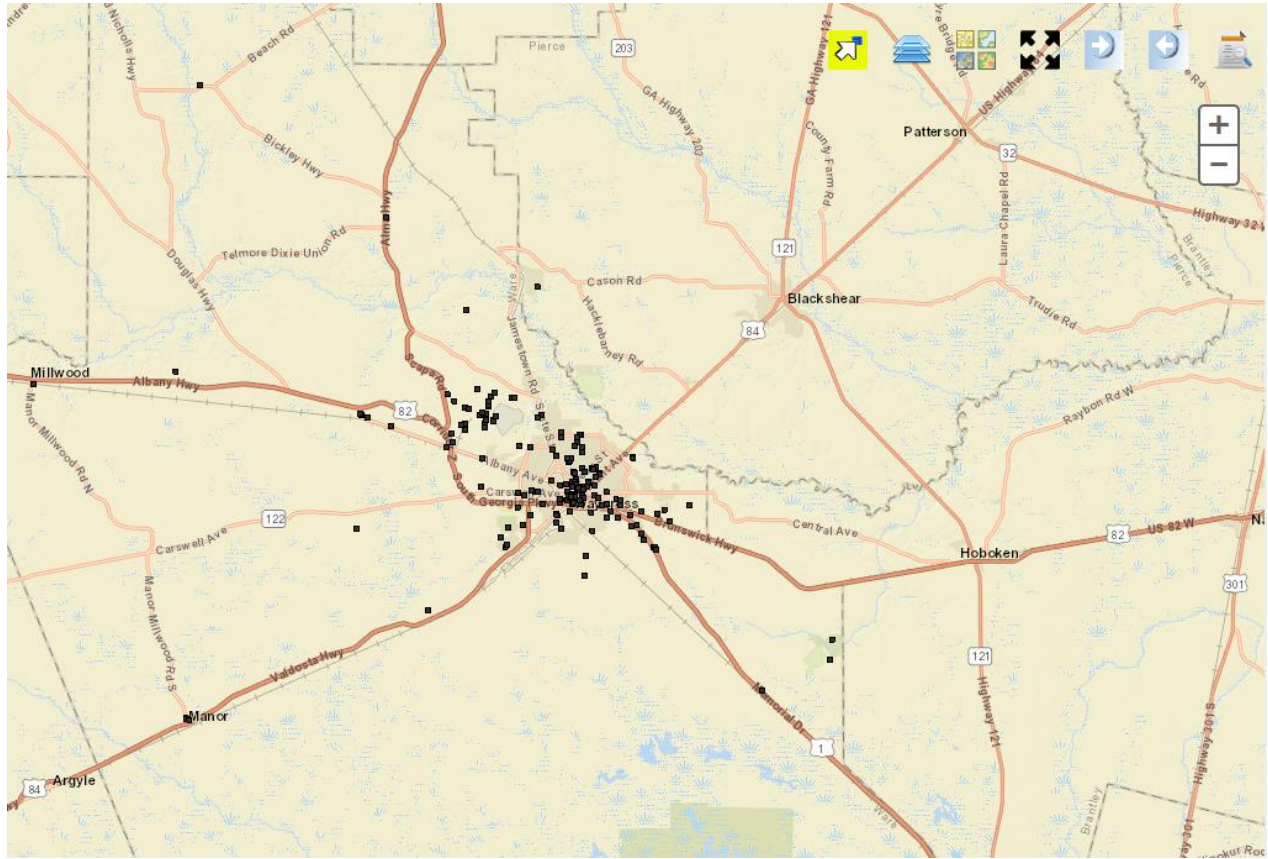
Type of Structure (Occupancy Class)	Number of Structures			Value of Structures			Number of People		
	# in Community of State	# in Hazard Area	% in Hazard Area	\$ in Community or State	\$ in Hazard Area	% in Hazard Area	# in Community or State	# in Hazard Area	% in Hazard Area
Residential	11,267	11,267	100.000%	969,871,348	969,871,348	100.000%	36,239	36,239	100%
Commercial	1,405	1,405	100.000%	267,232,927	267,232,927	100.000%	0	0	#DIV/0!
Industrial	93	93	100.000%	47,657,993	47,657,993	100.000%	0	0	#DIV/0!
Agricultural	791	791	100.000%	75,073,293	75,073,293	100.000%	0	0	#DIV/0!
Religious/ Non-profit	285	285	100.000%	71,466,731	71,466,731	100.000%	0	0	#DIV/0!
Government	388	388	100.000%	199,549,790	199,549,790	100.000%	0	0	#DIV/0!
Education	39	39	100.000%	39,731,472	39,731,472	100.000%	0	0	#DIV/0!
Utilities	66	66	100.000%	219,282,218	219,282,218	100.000%	0	0	#DIV/0!
Total	14,334	14,334	100.000%	1,889,865,772	1,889,865,772	100.000%	36,239	36,239	100%

Task B. Determine whether (and where) you want to collect additional inventory data.

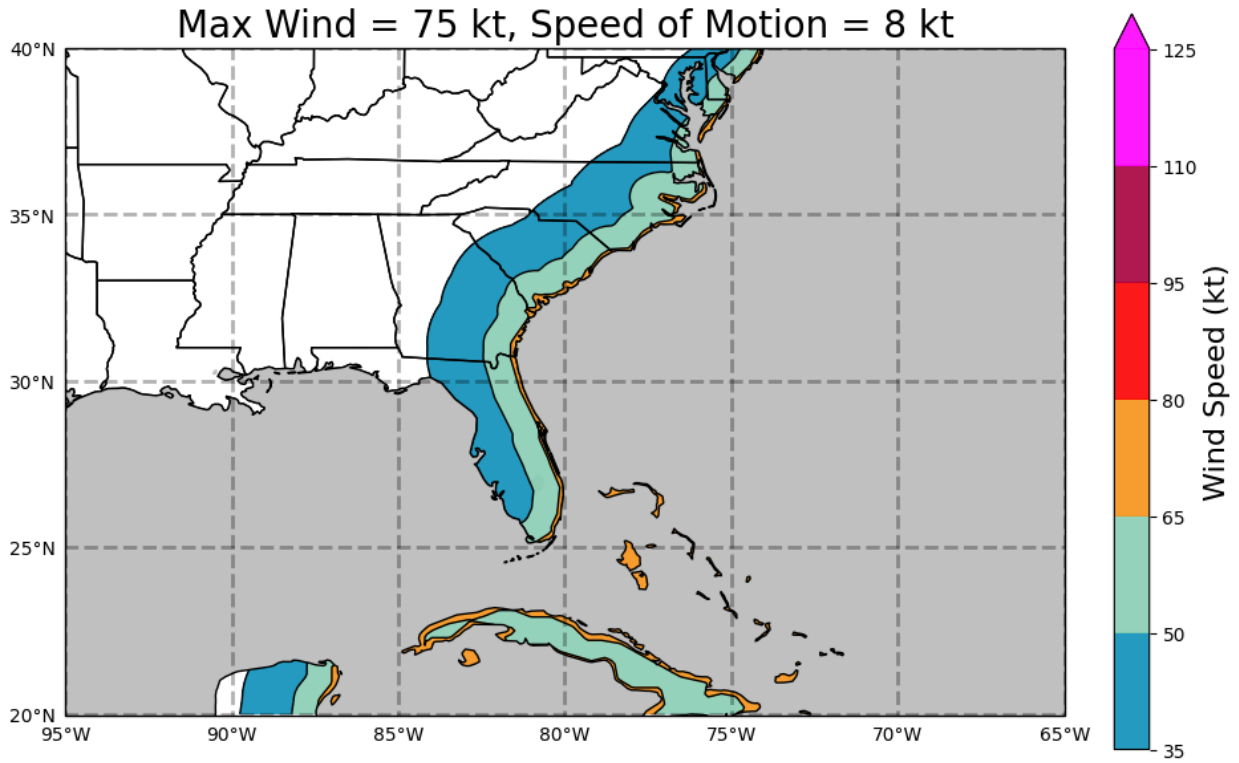
- | | Y | N |
|---|----------|----------|
| 1. Do you know where the greatest damages may occur in your area? | Y | |
| 2. Do you know whether your critical facilities will be operational after a hazard event? | Y | |
| 3. Is there enough data to determine which assets are subject to the greatest potential damages? | Y | |
| 4. Is there enough data to determine whether significant elements of the community are vulnerable to potential hazards? | Y | |
| 5. Is there enough data to determine whether certain areas of historic, environmental, political, or cultural significance are vulnerable to potential hazards? | Y | |
| 6. Is there concern about a particular hazard because of its severity, repetitiveness, or likelihood of occurrence? | | N |
| 7. Is additional data needed to justify the expenditure of community or state funds for mitigation initiatives? | | N |

Critical Facilities and Hazard Potential for Hazards Affecting the Entire Community

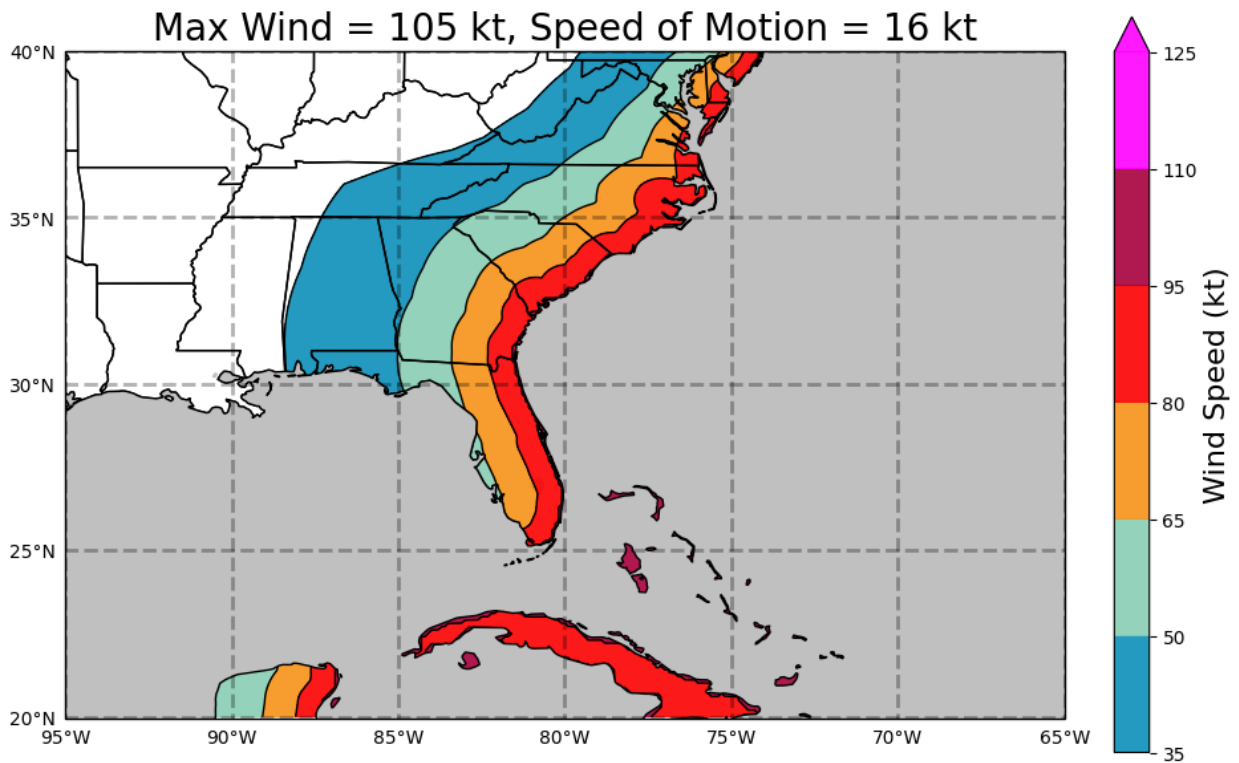
GEMA 2022



MEOW East Coast Category 1 – 8 Knots

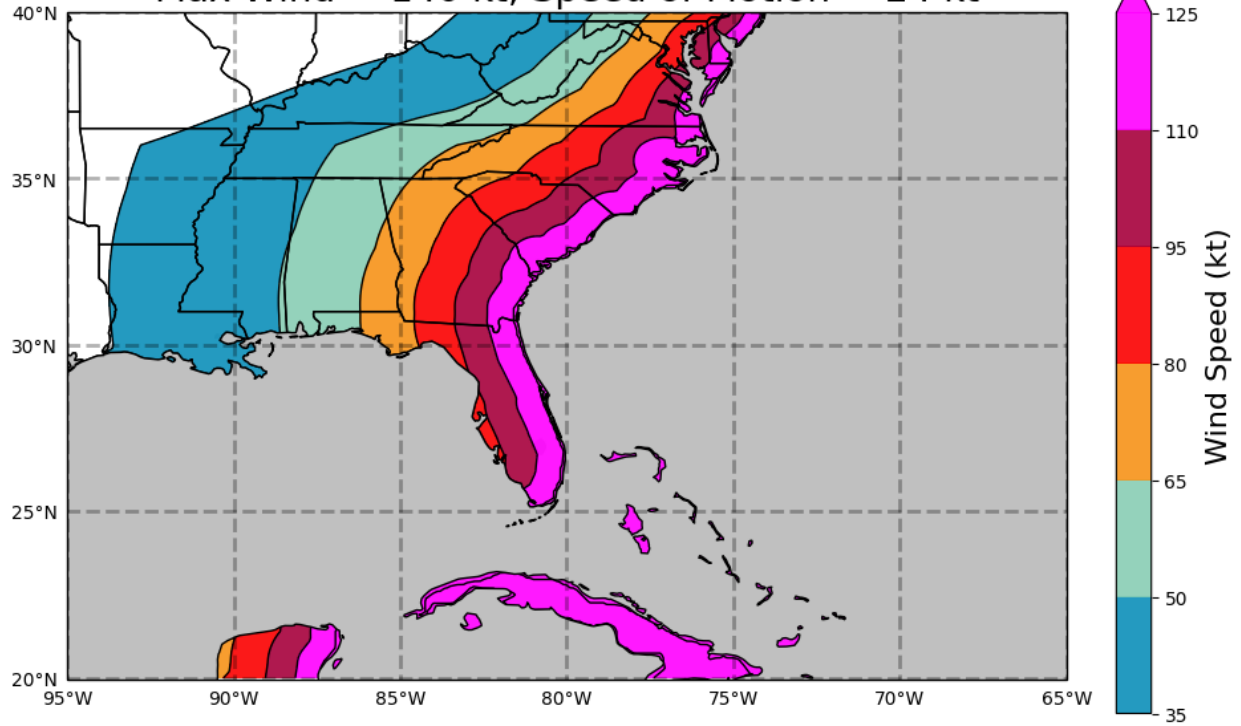


MEOW East Coast Category 3 – 16 Knots



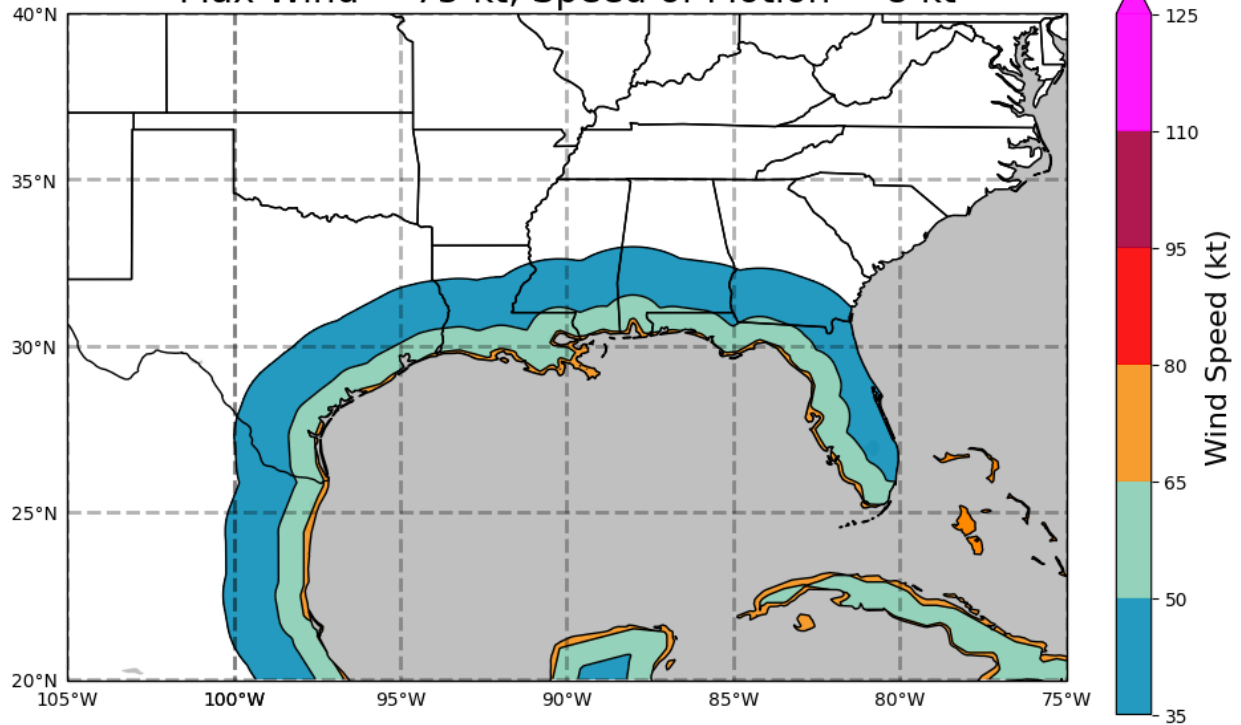
MEOW East Coast Category 5 – 24 Knots

Max Wind = 140 kt, Speed of Motion = 24 kt



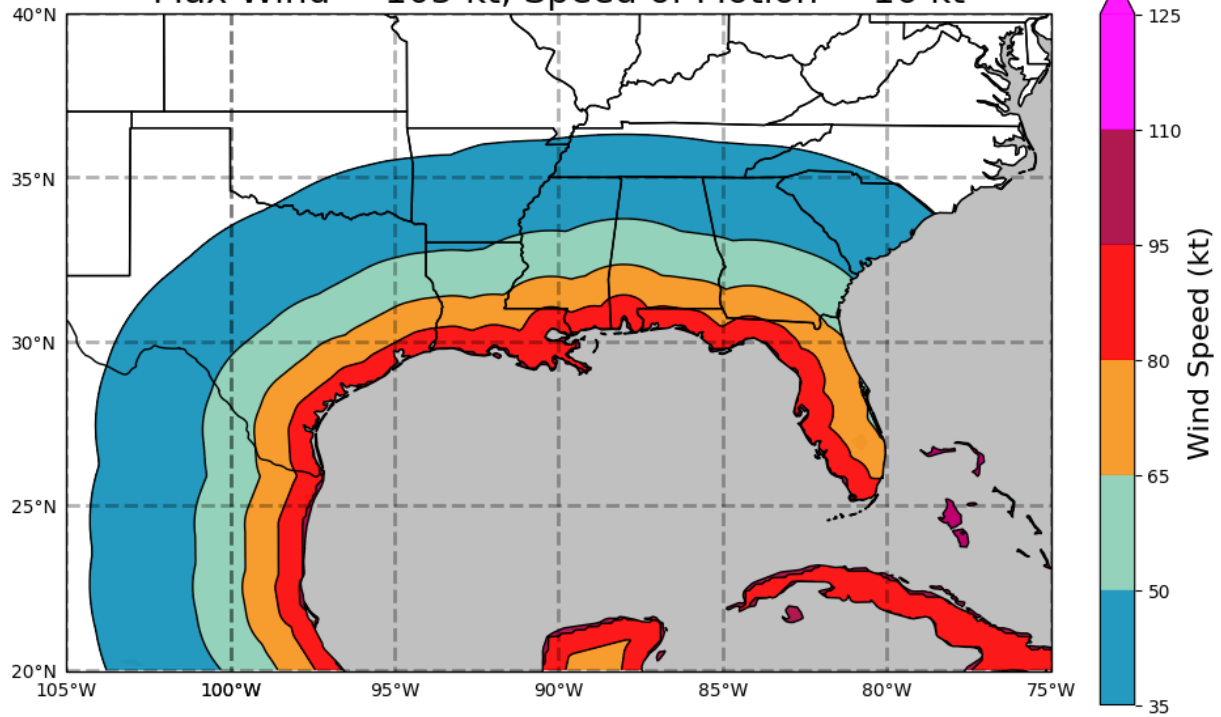
MEOW Gulf Coast Category 1 – 8 Knots

Max Wind = 75 kt, Speed of Motion = 8 kt



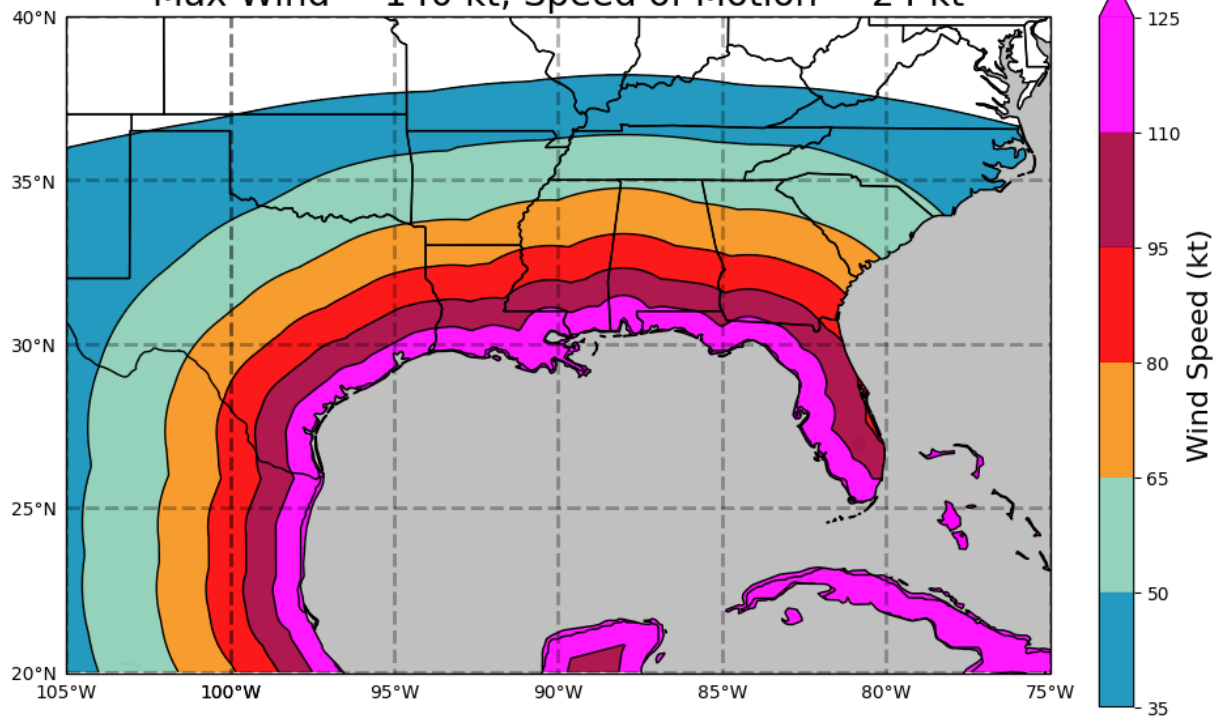
MEOW Gulf Coast Category 3 – 16 Knots

Max Wind = 105 kt, Speed of Motion = 16 kt



MEOW Gulf Coast Category 5 – 24 Knots

Max Wind = 140 kt, Speed of Motion = 24 kt



Source: National Hurricane Center and Central Pacific Hurricane Center (NOAA) – nhc.noaa.gov/aboutmeow.shtml

GEMA Worksheet #3a

Inventory of Assets

Jurisdiction: Ware County and Waycross, Georgia

Hazard: 9. Severe Winter Storm

Task A. Determine the proportion of buildings, the value of buildings, and the population in your community or state that are located in hazard areas.

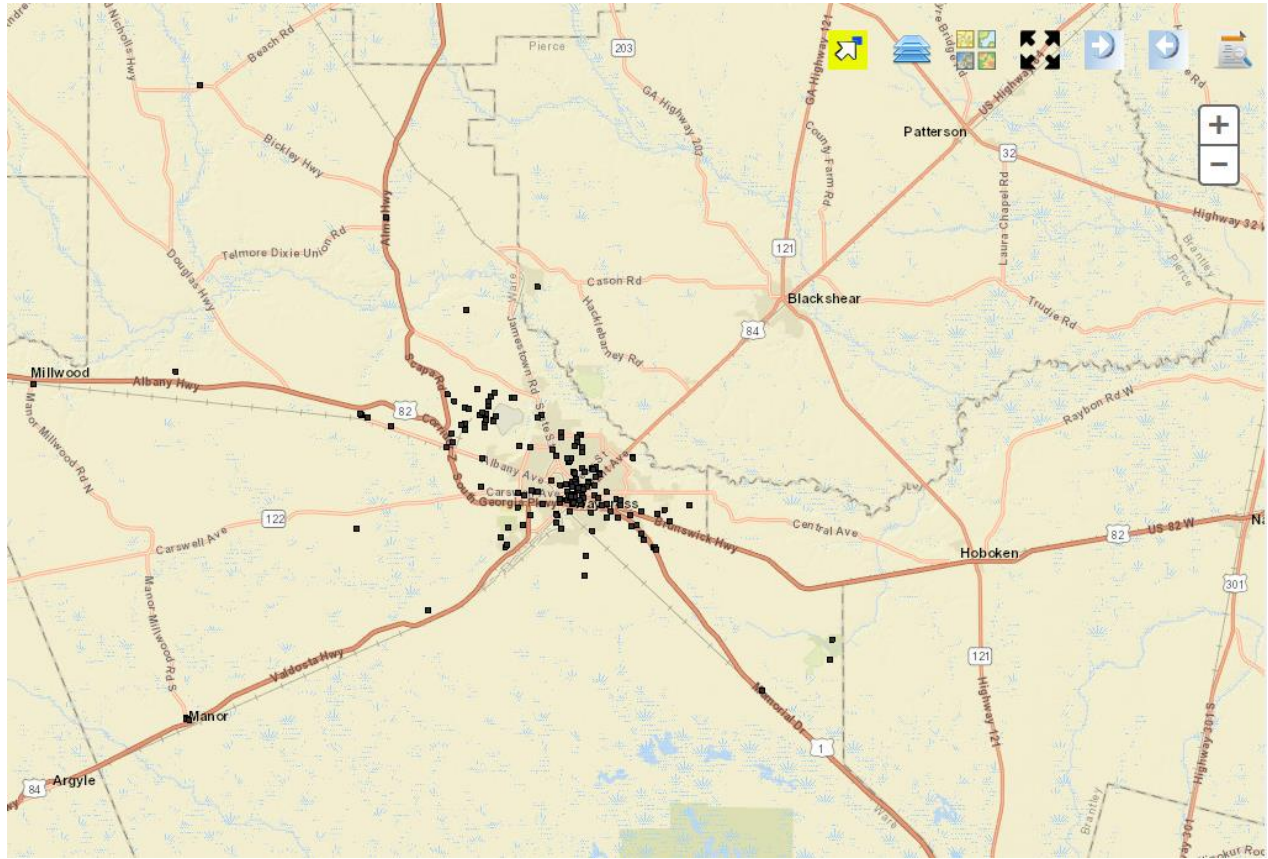
Type of Structure (Occupancy Class)	Number of Structures			Value of Structures			Number of People		
	# in Community of State	# in Hazard Area	% in Hazard Area	\$ in Community or State	\$ in Hazard Area	% in Hazard Area	# in Community or State	# in Hazard Area	% in Hazard Area
Residential	11,267	11,267	100.000%	969,871,348	969,871,348	100.000%	36,239	36,239	100%
Commercial	1,405	1,405	100.000%	267,232,927	267,232,927	100.000%	0	0	#DIV/0!
Industrial	93	93	100.000%	47,657,993	47,657,993	100.000%	0	0	#DIV/0!
Agricultural	791	791	100.000%	75,073,293	75,073,293	100.000%	0	0	#DIV/0!
Religious/ Non-profit	285	285	100.000%	71,466,731	71,466,731	100.000%	0	0	#DIV/0!
Government	388	388	100.000%	199,549,790	199,549,790	100.000%	0	0	#DIV/0!
Education	39	39	100.000%	39,731,472	39,731,472	100.000%	0	0	#DIV/0!
Utilities	66	66	100.000%	219,282,218	219,282,218	100.000%	0	0	#DIV/0!
Total	14,334	14,334	100.000%	1,889,865,772	1,889,865,772	100.000%	36,239	36,239	100%

Task B. Determine whether (and where) you want to collect additional inventory data.

- | | Y | N |
|---|---|---|
| 1. Do you know where the greatest damages may occur in your area? | Y | |
| 2. Do you know whether your critical facilities will be operational after a hazard event? | Y | |
| 3. Is there enough data to determine which assets are subject to the greatest potential damages? | Y | |
| 4. Is there enough data to determine whether significant elements of the community are vulnerable to potential hazards? | Y | |
| 5. Is there enough data to determine whether certain areas of historic, environmental, political, or cultural significance are vulnerable to potential hazards? | Y | |
| 6. Is there concern about a particular hazard because of its severity, repetitiveness, or likelihood of occurrence? | | N |
| 7. Is additional data needed to justify the expenditure of community or state funds for mitigation initiatives? | | N |

Critical Facilities and Hazard Potential for Hazards Affecting the Entire Community

GEMA 2022



Appendix B



QuickFacts

Waycross city, Georgia; Ware County, Georgia

QuickFacts provides statistics for all states and counties, and for cities and towns with a **population of 5,000 or more**.

Table


All Topics	Waycross city, Georgia	Ware County, Georgia
Population Estimates, July 1 2021, (V2021)	13,759	36,033
PEOPLE		
Population		
Population Estimates, July 1 2021, (V2021)	13,759	36,033
Population estimates base, April 1, 2020, (V2021)	13,915	36,251
Population, percent change - April 1, 2020 (estimates base) to July 1, 2021, (V2021)	-1.1%	-0.6%
Population, Census, April 1, 2020	13,942	36,251
Population, Census, April 1, 2010	14,649	36,312
Age and Sex		
Persons under 5 years, percent	6.8%	6.6%
Persons under 18 years, percent	29.0%	24.9%
Persons 65 years and over, percent	17.3%	17.6%
Female persons, percent	56.5%	49.7%
Race and Hispanic Origin		
White alone, percent	40.2%	65.9%
Black or African American alone, percent (a)	56.8%	30.1%
American Indian and Alaska Native alone, percent (a)	0.0%	0.5%
Asian alone, percent (a)	0.2%	1.2%
Native Hawaiian and Other Pacific Islander alone, percent (a)	0.0%	0.1%
Two or More Races, percent	1.6%	2.2%
Hispanic or Latino, percent (b)	2.5%	4.8%
White alone, not Hispanic or Latino, percent	39.6%	62.1%
Population Characteristics		
Veterans, 2016-2020	495	1,591
Foreign born persons, percent, 2016-2020	0.5%	1.5%
Housing		
Housing units, July 1, 2021, (V2021)	X	15,895
Owner-occupied housing unit rate, 2016-2020	46.6%	63.7%
Median value of owner-occupied housing units, 2016-2020	\$71,700	\$86,800
Median selected monthly owner costs -with a mortgage, 2016-2020	\$897	\$935
Median selected monthly owner costs -without a mortgage, 2016-2020	\$335	\$347
Median gross rent, 2016-2020	\$658	\$674
Building permits, 2021	X	48
Families & Living Arrangements		
Households, 2016-2020	5,633	13,657
Persons per household, 2016-2020	2.35	2.43
Living in same house 1 year ago, percent of persons age 1 year+, 2016-2020	86.7%	88.7%
Language other than English spoken at home, percent of persons age 5 years+, 2016-2020	2.0%	4.3%
Computer and Internet Use		
Households with a computer, percent, 2016-2020	89.4%	91.3%
Households with a broadband Internet subscription, percent, 2016-2020	64.9%	68.6%
Education		
High school graduate or higher, percent of persons age 25 years+, 2016-2020	83.7%	81.5%
Bachelor's degree or higher, percent of persons age 25 years+, 2016-2020	17.2%	15.2%
Health		
With a disability, under age 65 years, percent, 2016-2020	10.7%	9.9%
Persons without health insurance, under age 65 years, percent	16.6%	17.6%

Economy		
In civilian labor force, total, percent of population age 16 years+, 2016-2020	48.0%	49.6%
In civilian labor force, female, percent of population age 16 years+, 2016-2020	42.3%	46.4%
Total accommodation and food services sales, 2017 (\$1,000) (c)	76,088	78,256
Total health care and social assistance receipts/revenue, 2017 (\$1,000) (c)	183,818	186,286
Total transportation and warehousing receipts/revenue, 2017 (\$1,000) (c)	52,596	60,931
Total retail sales, 2017 (\$1,000) (c)	643,226	699,728
Total retail sales per capita, 2017 (c)	\$46,773	\$19,597
Transportation		
Mean travel time to work (minutes), workers age 16 years+, 2016-2020	17.5	21.0
Income & Poverty		
Median household income (in 2020 dollars), 2016-2020	\$30,367	\$37,041
Per capita income in past 12 months (in 2020 dollars), 2016-2020	\$18,358	\$20,221
Persons in poverty, percent	△ 29.8%	△ 26.0%
BUSINESSES		
Businesses		
Total employer establishments, 2020	X	867
Total employment, 2020	X	12,148
Total annual payroll, 2020 (\$1,000)	X	431,960
Total employment, percent change, 2019-2020	X	1.2%
Total nonemployer establishments, 2019	X	1,969
All employer firms, Reference year 2017	651	786
Men-owned employer firms, Reference year 2017	408	487
Women-owned employer firms, Reference year 2017	79	111
Minority-owned employer firms, Reference year 2017	100	114
Nonminority-owned employer firms, Reference year 2017	418	526
Veteran-owned employer firms, Reference year 2017	S	S
Nonveteran-owned employer firms, Reference year 2017	470	560
GEOGRAPHY		
Geography		
Population per square mile, 2020	1,175.0	40.3
Population per square mile, 2010	1,250.7	40.7
Land area in square miles, 2020	11.87	899.24
Land area in square miles, 2010	11.71	892.46
FIPS Code	1380956	13299

[About datasets used in this table](#)

Value Notes

⚠ Estimates are not comparable to other geographic levels due to methodology differences that may exist between different data sources.

Some estimates presented here come from sample data, and thus have sampling errors that may render some apparent differences between geographies statistically indistinguishable. Click the Quick Info  icon to the row in TABLE view to learn about sampling error.

The vintage year (e.g., V2021) refers to the final year of the series (2020 thru 2021). Different vintage years of estimates are not comparable.

Users should exercise caution when comparing 2016-2020 ACS 5-year estimates to other ACS estimates. For more information, please visit the [2020 5-year ACS Comparison Guidance](#) page.

Fact Notes

- (a) Includes persons reporting only one race
- (c) Economic Census - Puerto Rico data are not comparable to U.S. Economic Census data
- (b) Hispanics may be of any race, so also are included in applicable race categories

Value Flags

- Either no or too few sample observations were available to compute an estimate, or a ratio of medians cannot be calculated because one or both of the median estimates falls in the lowest or upper in open ended distribution.
- F Fewer than 25 firms
- D Suppressed to avoid disclosure of confidential information
- N Data for this geographic area cannot be displayed because the number of sample cases is too small.
- FN Footnote on this item in place of data
- X Not applicable
- S Suppressed; does not meet publication standards
- NA Not available
- Z Value greater than zero but less than half unit of measure shown

QuickFacts data are derived from: Population Estimates, American Community Survey, Census of Population and Housing, Current Population Survey, Small Area Health Insurance Estimates, Small Area Income and Poverty Estimates, State and County Housing Unit Estimates, County Business Patterns, Nonemployer Statistics, Economic Census, Survey of Business Owners, Building Permits.

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Measuring America's People, Places, and Economy

7.2. 2022-2026 Community Work Program

Ware County

Project	Cost	Funding Source	FY 22	FY 23	FY 24	FY 25	FY 26	Responsibility	Related Goal
Transportation									
Continue implementing Airport Capital Improvement Program as adopted by the County Commission.	\$5 million	GDOT, Ware County, FAA, Federal Funds	X	X	X	X	X	GDOT, Ware County, FAA	8
Rehabilitate sidewalks and add bike lanes on Pinehurst Rd. (900-foot sidewalk) and Tebeau Rd. (750-foot sidewalk).	\$250,000	GDOT, Ware County	X	X				Ware County	8
Pave approximately 5 miles of dirt roads, including Driggers Lane and T-SPLOST projects.	\$10 Million	SPLOST, Ware County, CDBG	X	X	X	X	X	Ware County	8
Construct entire Perimeter Road, beginning at Smith Road going south from US 82 West (Corridor Z), crossing US 84 South near Wahoma, thence easterly and northerly crossing US 1 South, US 82 east, and Central Ave., intersecting US 84 north near Pierce County line, and continuing to US 1 North.	\$80 Million	GDOT, Federal Funds	Postponed long-term project (post-FY2026)					GDOT, Ware County	8
Construct overpass at State Street (US 1) and CSX's Atlanta Lead Line in conjunction with Perimeter Road project.	\$15 Million	GDOT, CSX, Ware County, City of Waycross, State & Federal Funds	X	X	X	X	X	GDOT, CSX, Ware County, City of Waycross	8
Widen Augusta Avenue/Blackshear Avenue from US 82 to US 1.	\$3.8 Million	GDOT, Ware County, City of Waycross, SPLOST, Federal Funds		X	X	X	X	GDOT, Ware County, City of Waycross	8

Project	Cost	Funding Source	FY 22	FY 23	FY 24	FY 25	FY 26	Responsibility	Related Goal
Extend Tanner Lane to create additional access to the Jamestown area.	\$6 Million	GDOT, Ware County, Federal Funds			X	X	X	GDOT, Ware County	8
Natural and Cultural/Historic Resources									
Construct a raised boat ramp at the Waycross-Blackshear bridge area on the Satilla River.	\$100,000	Grants (LWCF, TEA 21), DNR			X	X	X	Ware County	4
Identify and protect prime agricultural soils in the county and protect with zoning and tax incentives.	\$25,000	Natural Resources Conservation Service Grants					X	Ware County, NRCS	4
Land Use									
<p>Develop a countywide Zoning Ordinance that includes the following:</p> <ul style="list-style-type: none"> Zoning districts appropriate to the character areas in the Comprehensive Plan. Development standards to regulate the distribution of land uses and prevent the encroachment of incompatible land uses on each other. Buffer areas between agricultural and non-agricultural uses. Flexibility in land uses to allow for a compatible mix of uses, including boulevard housing. Development standards to avoid undue concentration of population. Standards for senior/adult living. Standards and 	Staff time	State & Federal Grants, Ware County	X	X	X	X	X	Ware County	6

Project	Cost	Funding Source	FY 22	FY 23	FY 24	FY 25	FY 26	Responsibility	Related Goal
flexibility to encourage in fill development, re-use of blighted development, and redevelopment of declining and revitalizing areas. <ul style="list-style-type: none"> • Sufficient flexibility to encourage creative design, green space, and open space. • Specific roles for each corridor to encourage revitalization. • Standards to support additional growth in rural areas only where such growth is planned for and can be supported by appropriate services. • Standards for property upkeep and screening. • Limited mixed-use districts of compatible uses to serve neighborhood needs and create focal community points. 									
Create a GPS database of bridges, box culverts, and infrastructure.	\$10,000	Ware County	X	X				Ware County	7
Housing									
Develop affordable housing in Ware County.	\$1,000,000	General fund, private funds, grants		X	X	X	X	Ware County	3
Implement measures to reduce and eliminate blight (through an urban redevelopment plan or similar effort).	\$500,000	General fund, private funds, grants		X	X	X	X	Ware County	3
Community Facilities and Services									
Construct miracle field at Trembling Earth Recreational Facility.	\$500,000	SPLOST, State & Federal Grants, Ware County	X	X	X	X		Ware County	7

Project	Cost	Funding Source	FY 22	FY 23	FY 24	FY 25	FY 26	Responsibility	Related Goal
Construct Phases V and VI of multipurpose recreation center (Regional Park).	\$5 Million	State & Federal Grants, Ware County SPLOST					X	Ware County	7
Develop a recycling program in collaboration with federal, state, and local partners.	\$100,000	Ware County, State & Federal Grants		X	X	X		Ware County	7
Conduct a project to strengthen and expand broadband access.	\$1,000,000	General funds, private funds, grants	X	X	X	X	X	Ware County, City of Waycross	7
Expand the public safety training center with classroom space and training facilities.	\$500,000	SPLOST, State & Federal Grants, Ware County	X	X	X	X		Ware County	7
Economic Development									
Create a marketing plan to capitalize on Ware County's proximity to the three major ports of Brunswick, Jacksonville, and Savannah; raise awareness of the Industrial Park's proximity to the local airport; and raise awareness of the 5 direct rail lines in Waycross/Ware County, including rail in the Industrial Park.	Staff time	Ware County, City of Waycross, Chamber of Commerce, DWDA, WWDA, State & Federal Grants	X	X	X			Ware County, City of Waycross, Chamber of Commerce, DWDA, WWDA	2
Continue implementing a program to collaborate with federal, state, and local partners to develop local agricultural industry (such as blueberries, pine straw, honey, turpentine, compost, etc.) and promote agri-tourism.	\$200,000	Ware County, City of Waycross, Chamber of Commerce, State & Federal Grants	X	X	X	X	X	Ware County, City of Waycross	2

Project	Cost	Funding Source	FY 22	FY 23	FY 24	FY 25	FY 26	Responsibility	Related Goal
Extend and upgrade water, sewer, gas, power, and telecommunication infrastructure, as well as railways and roads, to the Industrial Park and other areas suited for economic development.	\$10 million	Ware County, City of Waycross, State & Federal Grants, WWDA	X	X	X	X	X	Ware County, City of Waycross,	2, 7
Intergovernmental Coordination									
Design joint collateral marketing materials and public relations tools to market Ware County/Waycross to tourists and businesses.	Staff time	Ware County, City of Waycross, Chamber of Commerce, DWDA, WWDA, State & Federal Grants	X	X	X			Ware County, City of Waycross, Chamber of Commerce, DWDA, WWDA	2

City of Waycross

Project	Cost	Funding Source	FY 22	FY 23	FY 24	FY 25	FY 26	Responsibility	Related Goal
Transportation									
Redirect US 1 via State to Tebeau, Carswell, and Memorial Drive, with associated improvements.	\$5 million	GDOT, State & Federal Grants	X	X	X	X	X	City of Waycross, GDOT	8
Resurface approximately 70 miles of city streets, as listed in the Capital Improvement Program.	\$21 million	City of Waycross, State & Federal Grants, GDOT	X	X	X	X	X	City of Waycross, GDOT	8
Upgrade traffic signals at 6 intersections.	\$1.5 million	GDOT, State & Federal Grants	X	X	X	X	X	City of Waycross, GDOT	8
Conduct traffic studies to identify the most efficient traffic flows through Waycross.	\$100,000	GDOT State & Federal Grants				X	X	City of Waycross, GDOT	8
Make improvements to Downtown streetscapes, including bump-outs at intersections, pole banners, benches, and light poles.	\$3 million	State & Federal Grants	X	X	X			City of Waycross	8
Implement DOT Priorities - Traffic Lights and Paving.	\$750,000	GDOT	X	X	X	X	X	City of Waycross, GDOT	8
Construct Phase 2 (1 mile) of the Multi-Use Trail.	\$1 million	Grants (TEA, etc.)				X	X	City of Waycross	8
Adopt a Complete Streets Policy that incorporates improved bicycle and pedestrian safety measures.	\$500	GDOT	X	X	X	X	X	City of Waycross	8
Revise development ordinances to integrate pedestrian/bicycle considerations and requirements into proposed subdivisions, and other developments.	\$500	GDOT	X	X	X	X	X	City of Waycross	8
Revise ordinances to include requirements of the Georgia Streetscapes and Pedestrian Design Guide.	\$500	GDOT	X	X	X	X	X	City of Waycross	8

Project	Cost	Funding Source	FY 22	FY 23	FY 24	FY 25	FY 26	Responsibility	Related Goal
Revise ordinances to include requirements of the Georgia Manual on Regulations for Driveway and Encroachment Control.	\$500	GDOT	X	X	X	X	X	City of Waycross	8
Revise ordinances to include various requirements of the National Association of City Transportation Officials (NACTO) Guides for improved bicycle and pedestrian safety design.	\$500	GDOT	X	X	X	X	X	City of Waycross	8
Work with SGRC to apply for Walk Friendly Community Status.	\$5,000	GDOT	X	X	X	X	X	City of Waycross	8
Work with SGRC to apply for Age Friendly Community Status.	\$7,000	GDOT	X	X	X	X	X	City of Waycross	8
Work with SGRC to apply for Bicycle Friendly Community Status.	\$5,000	GDOT	X	X	X	X	X	City of Waycross	8
Complete a bikeability analysis of all roadways that includes a timeline to resurface/pave roads, adding bike lanes.	\$10,000	GDOT	X	X	X	X	X	City of Waycross	8
Complete a sidewalk gap analysis and develop a plan to fund sidewalk construction to fill the gaps.	\$5,000	GDOT	X	X	X	X	X	City of Waycross	8
Work with GDOT and SGRC to complete Road Safety Audits along key corridors/intersections as needed, based on crash data analysis and other metrics.	\$2,000	GDOT	X	X	X	X	X	City of Waycross	8

Project	Cost	Funding Source	FY 22	FY 23	FY 24	FY 25	FY 26	Responsibility	Related Goal
Administer the Georgia Pedestrian Safety Attitudes and Behaviors Survey to the general public and transportation practitioners. Analyze results to determine target audiences, messages, and training needs for pedestrian safety.	\$1,000	GDOT	X	X	X	X	X	City of Waycross	8
Work with SGRC to distribute "See and Be Seen" safety materials.	\$100	GDOT	X	X	X	X	X	City of Waycross	8
Send elected officials, planning and other staff, and police/sheriff patrol officers to regional trainings for pedestrian and bicycle safety, education and enforcement.	\$1,000 per training (less if virtual)	GDOT	X	X	X	X	X	City of Waycross	8
Encourage police/sheriff patrol officers to participate in the GDOT Pedestrian Safety Task Team.	\$750	GDOT	X	X	X	X	X	City of Waycross	8
Develop a local Bicycle and/or Pedestrian Safety Action Plan.	\$10,000	GDOT	X	X	X	X	X	City of Waycross	8
Natural and Cultural/Historic Resources									
Maintain and restore canals with stabilization, vegetation control, and cleanup.	\$200,000	State & Federal Grants, SPLOST				X	X	City of Waycross	4, 7
Renovate/rehab 3 historic Downtown buildings (Bunn building, Bowen building, and Lyric theater).	\$15 million	State & Federal Grants			X	X	X	City of Waycross	2, 5
Conduct a marketing campaign to promote tourist attractions such as Obediah's Okefenok, Wildes Massacre Site, the Heritage Center, Laura Walker State Park, Okefenokee Swamp Park, and the Satilla River Water Trail.	Staff time	State & Federal Grants, agency budgets, tourism dollars	X	X	X	X	X	Tourism Bureau, City of Waycross, Ware County, Chamber of Commerce, Hospitality Industry	2, 4
Land Use									

Project	Cost	Funding Source	FY 22	FY 23	FY 24	FY 25	FY 26	Responsibility	Related Goal
Develop zoning districts appropriate to the character areas in the Comprehensive Plan.	Staff time	City of Waycross, Ware County, State & Federal Grants	X	X				City of Waycross, Ware County	6
Redevelop approximately 20 acres of vacant/underutilized parcels, including the Almar parcel.	\$40 million	City of Waycross, Ware County, State & Federal Grants	X	X	X	X	X	City of Waycross	6
Develop design guidelines for the Crossroads gateways and corridors, including signage and landscaping.	Staff time	State & Federal Grants, City of Waycross, Ware County	X	X				City of Waycross, Ware County	2, 7
Community Facilities and Services									
Improve and/or Replace infrastructure, including sewer, water, street and drainage improvements, as listed in the adopted Capital Improvement Program.	\$20 million	City of Waycross, State & Federal Grants	X	X	X	X	X	City of Waycross	7
Construct new Public Works facility.	\$1,343,000	City of Waycross, State & Federal Grants, SPLOST	X	X				City of Waycross	7
Continue updating of city parks to improve all recreational facilities, including playground facilities, restrooms, and lighting (including Bailey St., Camilla, E. E. Moore, Elizabeth, Garlington, Gilchrist, Monroe, Parnell, and Roberts Parks, and others).	\$1 million	State & Federal Grants	X	X	X	X	X	City of Waycross	7
Install a Splash Pad in Pernell Roberts Park.	\$140,000 Phase 1; \$140,000 each for Phases 2 and 3	City of Waycross, State & Federal Grants	X	X	X	X	X	City of Waycross	7
Conduct a complete renovation/rehabilitation of the National Guard Armory.	\$2,000,000	City of Waycross State & Federal Grants	X	X				City of Waycross	7

Project	Cost	Funding Source	FY 22	FY 23	FY 24	FY 25	FY 26	Responsibility	Related Goal
Renovate/revitalize the Bailey Street School, Colley Street School, and Grove Street Recreation Center brownfield sites.	\$10 million	City of Waycross State & Federal Grants		X	X	X	X	City of Waycross	7
Assess Sewer and water systems in the City to address system deteriorations and to program capital upgrades (Phases I – IV).	Staff time	City of Waycross, State & Federal Grants		X	X			City of Waycross	7
Research and apply for funding and grants to provide paid Fire and EMS services for Ware County and the City of Waycross.	Staff time	City of Waycross, State & Federal Grants	X	X				City of Waycross, Ware County	7
Evaluate and implement flood control measures and floodplain management measures.	\$500,000	City of Waycross, State & Federal Grants	X	X	X	X	X	City of Waycross, EPD, FEMA	7
Develop and expand Reclaimed Water ("Purple-Pipe") System.	\$500,000	City of Waycross, State & Federal Grants					X	City of Waycross	7
Economic Development									
Acquire property for expansion of the Industrial Park, and develop with utilities and other necessary infrastructure.	\$20 million	City of Waycross, State & Federal Grants			X	X	X	WWDA, City of Waycross, Ware County	2
Implement a collaborative group process for the reclamation of the old business district of Oak Street between Tebeau Street and Vernon Willis Drive, beginning with aggressive code enforcement.	\$30,000	City of Waycross, State & Federal Grants	X	X	X			City of Waycross, Ware County	2
Housing									
Implement an aggressive program to pursue grants for rehabilitation/renewal of approximately 50 homes in targeted areas.	\$1.5 million	City of Waycross, State & Federal Grants			X	X	X	City of Waycross, Ware County	3

Project	Cost	Funding Source	FY 22	FY 23	FY 24	FY 25	FY 26	Responsibility	Related Goal
Deploy new street signage citywide to comply with federal retro-reflectivity standards.	\$250,000	City of Waycross, State & Federal Grants	X	X				City of Waycross	3
Develop standards and incentives to protect residential neighborhoods from encroachment of non-residential uses.	Staff time	City of Waycross, State & Federal Grants	X	X				City of Waycross, Ware County	3
Develop, improve, and enforce zoning standards for property upkeep and screening.	Staff time	City of Waycross, State & Federal Grants	X	X				City of Waycross, Ware County	3

GEORGIA DEPARTMENT OF REVENUE Local Government Services Division County Digest Section	2021 TAX DIGEST CONSOLIDATED SUMMARY
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County:WARE County #:148 Tax District:WARE COUNTY

Dist #: 00 Assessment %: 040 Tot Parcels:21024

AGRICULTURAL

Code	Count	Acres	40% Value
A1	1,128		21,786,548
A3	6	13.66	22,838
A4	656	4,168.49	2,731,119
A5	682	55,829.9	21,573,725
A6	1,381		2,122,692
A7	0	0	0
A9	17	0	13,267
AA	0		0
AB	3		3,556
AF	0		0
AI	0		0
AZ	0		0

BROWNFIELD PROPERTY

Code	Count	Acres	40% Value
B1	0		0
B3	0	0	0
B4	0	0	0
B5	0	0	0
B6	0		0

COMMERCIAL

Code	Count	Acres	40% Value
C1	3,409		104,088,626
C3	1,486	1,666.74	39,038,815
C4	57	301.03	930,803
C5	9	254.88	988,099
C7	0	0	0
C9	0	0	0
CA	0		0
CB	2		217
CF	1,697		40,039,370
CI	661		30,578,131
CP	17		7,339,473
CZ	11		155,302

FLPA FAIR MARKET ASSMT

Code	Count	Acres	40% Value
F3	0	0	0
F4	9	149.96	672,054
F5	266	142,813.67	43,837,846
F9	0	0	0

Total 275 142,963.63 44,509,900

HISTORIC

Code	Count	Acres	40% Value
H1	3		349,064

CONSERVATION USE

Code	Count	Acres	40% Value
V3	7	99.99	694,900
V4	209	3,655.46	2,280,713
V5	851	105,693.38	45,357,208
V6	668		1,957,088

ENVIRONMENTALLY SENSITIVE

Code	Count	Acres	40% Value
W3	0	0	0
W4	0	0	0
W5	0	0	0

PROPERTY EXEMPTIONS

Code	Count	M&O	Bond
SA	61	194,619	194,619
SB	0	0	0
SF	23	11,983,997	11,983,997
SH	1	236,077	236,077
SJ	275	16,466,436	16,466,436
SP	1,978	1,354,174	1,354,174
SN	0	0	0
ST	7	334,123	334,123
SV	1,067	26,405,527	26,405,527
SW	0	0	0
SX	0	0	0

STATE HOMESTEAD EXEMPTIONS

S1	3,952	7,902,621	7,902,621
S3	213	426,000	2,066,350
S4	1,523	6,085,122	14,878,577
S5	128	5,377,870	5,377,870
S6	0	0	0
S7	0	0	0
S8	0	0	0
S9	0	0	0
SC	404	808,000	864,000
SD	64	3,146,427	3,146,427
SE	0	0	0
SG	0	0	0
SS	2	79,637	79,637

LOCAL HOMESTEAD EXEMPTIONS

L1	6	50,189	48,189
L2	0	0	0
L3	2	7,557	0
L4	33	388,006	181,763
L5	0	0	0
L6	0	0	0
L7	0	0	0

H3 1 0.23 7,013

L8 0 0 0

INDUSTRIAL

L9 4,919 66,278,921 31,693,618

Code	Count	Acres	40% Value
I1	241		17,762,242
I3	77	372.7	893,716
I4	8	102.11	182,373
I5	3	423.2	246,174
I7	0	0	0
I9	1	31.26	62,520
IA	0		0
IB	0		0
IF	13		6,020,470
II	11		1,979,242
IP	6		4,644,524
IZ	3		255,136

TOTAL 14,658 147,525,303 123,214,005

EXEMPT PROPERTY

Code	Count	40% Value
E0	20	1,054,232
E1	983	133,732,294
E2	896	33,883,515
E3	191	12,817,148
E4	30	1,243,937
E5	17	1,099,827
E6	126	19,385,405
E7	0	0
E8	0	0
E9	20	3,158,436

TOTAL 2,283 206,374,794

SUMMARY

Code	Count	Acres	40% Value
Agricultural	3,873	60,012.05	48,253,745
Brownfield Property	0	0	0
Commercial	7,349	2,222.65	223,158,836
Historical	4	0.23	356,077
Industrial	363	929.27	32,046,397
Forest Land Cons Use	275	142,963.63	38,722,032
Preferential	91	1,365	778,477
Qualified Timberland	0	0	0
Residential	45,015	29,150.64	393,609,005
Residential Transitional	26	6.04	588,112
Utility	82	64.61	107,741,207
Conservation Use	1,735	109,448.83	50,289,909
Environmentally Sensitive	0	0	0
Motor Vehicle	12,268		12,599,550
Mobile Home	2,300		13,316,355
Timber 100%	160	15,443.02	12,615,527
Heavy Equipment	1		7,732
Gross Digest	73,542	361,605.97	934,082,961
Exemptions Bond			123,214,005
Net Bond Digest			810,868,956
Gross Digest	73,542	361,605.97	934,082,961
Exemptions-M&O			147,525,303
Net M&O Digest			786,557,658

TAX LEVIED

TYPE	ASSESSED VALUE	MILLAGE	TAX
M & O	786,557,658		
BOND	810,868,956		

FOREST LAND CONSERVATION USE

Code	Count	Acres	40% Value
J3	0	0	0
J4	9	149.96	53,086
J5	266	142,813.67	38,668,946
J9	0	0	0

PREFERENTIAL

Code	Count	Acres	40% Value
P3	6	60.62	82,190
P4	51	628.68	407,835
P5	4	675.7	250,556
P6	30		37,896
P7	0	0	0
P9	0	0	0

QUALIFIED TIMBERLAND

Code	Count	Acres	40% Value
Q4	0	0	0
Q5	0	0	0

RESIDENTIAL

Code	Count	Acres	40% Value
R1	12,148		316,111,899
R3	13,774	10,449.94	45,186,189
R4	3,080	17,804.59	15,344,351
R5	18	896.11	494,862
R6	14,446		12,018,985
R7	0	0	0
R9	0	0	0
RA	6		3,143,117
RB	1,541		1,308,542
RF	2		1,060
RI	0		0
RZ	0		0

RESIDENTIAL TRANSITIONAL

Code	Count	Acres	40% Value
T1	19		249,566
T3	7	6.04	338,546

T4	0	0	0
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UTILITY

Code	Count	Acres	40% Value
U1	2		26,978
U2	46	0	107,611,293
U3	29	31.48	75,440
U4	5	33.13	27,496
U5	0	0	0
U7	0	0	0
U9	0	0	0
UA	0		0
UB	0		0
UF	0		0
UZ	0		0

GEORGIA DEPARTMENT OF REVENUE Local Government Services Division County Digest Section	2021 TAX DIGEST CONSOLIDATED SUMMARY
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County:WARE County #:148 Tax District:WAYCROSS

Dist #: 50 Assessment %: 040 Tot Parcels:8840

AGRICULTURAL

Code	Count	Acres	40% Value
A1	0		0
A3	0	0	0
A4	0	0	0
A5	0	0	0
A6	0		0
A7	0	0	0
A9	1	0	2
AA	0		0
AB	0		0
AF	0		0
AI	0		0
AZ	0		0

BROWNFIELD PROPERTY

Code	Count	Acres	40% Value
B1	0		0
B3	0	0	0
B4	0	0	0
B5	0	0	0
B6	0		0

COMMERCIAL

Code	Count	Acres	40% Value
C1	2,350		82,906,698
C3	1,168	1,009.6	32,821,079
C4	1	1	87,120
C5	3	72.04	736,006
C7	0	0	0
C9	0	0	0
CA	0		0
CB	0		0
CF	1,179		24,830,758
CI	484		19,684,200
CP	8		911,519
CZ	4		80,208

FLPA FAIR MARKET ASSMT

Code	Count	Acres	40% Value
F3	0	0	0
F4	0	0	0
F5	0	0	0
F9	0	0	0

Total	0	0	0
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HISTORIC

Code	Count	Acres	40% Value
H1	3		349,064

CONSERVATION USE

Code	Count	Acres	40% Value
V3	1	4.95	148,889
V4	0	0	0
V5	0	0	0
V6	0		0

ENVIRONMENTALLY SENSITIVE

Code	Count	Acres	40% Value
W3	0	0	0
W4	0	0	0
W5	0	0	0

PROPERTY EXEMPTIONS

Code	Count	M&O	Bond
SA	0	0	0
SB	0	0	0
SF	8	911,519	0
SH	1	236,077	0
SJ	0	0	0
SP	566	391,738	0
SN	0	0	0
ST	5	104,240	0
SV	1	147,910	0
SW	0	0	0
SX	0	0	0

STATE HOMESTEAD EXEMPTIONS

S1	0	0	0
S3	0	0	0
S4	0	0	0
S5	53	1,818,019	0
S6	0	0	0
S7	0	0	0
S8	0	0	0
S9	0	0	0
SC	0	0	0
SD	26	1,106,582	0
SE	0	0	0
SG	0	0	0
SS	2	79,637	0

LOCAL HOMESTEAD EXEMPTIONS

L1	5	52,380	0
L2	0	0	0
L3	1	4,173	0
L4	22	324,898	0
L5	0	0	0
L6	0	0	0
L7	0	0	0

H3 1 0.23 7,013

INDUSTRIAL

Code	Count	Acres	40% Value
I1	38		1,242,704
I3	37	30.56	191,176
I4	1	8.35	72,745
I5	0	0	0
I7	0	0	0
I9	0	0	0
IA	0		0
IB	0		0
IF	3		167,408
II	2		252,953
IP	0		0
IZ	0		0

FOREST LAND CONSERVATION USE

Code	Count	Acres	40% Value
J3	0	0	0
J4	0	0	0
J5	0	0	0
J9	0	0	0

PREFERENTIAL

Code	Count	Acres	40% Value
P3	0	0	0
P4	0	0	0
P5	0	0	0
P6	0		0
P7	0	0	0
P9	0	0	0

QUALIFIED TIMBERLAND

Code	Count	Acres	40% Value
Q4	0	0	0
Q5	0	0	0

RESIDENTIAL

Code	Count	Acres	40% Value
R1	5,192		109,078,106
R3	7,564	2,143.84	13,985,116
R4	2	15.8	61,002
R5	0	0	0
R6	4,336		2,129,705
R7	0	0	0
R9	0	0	0
RA	0		0
RB	236		148,817
RF	1		60
RI	0		0
RZ	0		0

RESIDENTIAL TRANSITIONAL

Code	Count	Acres	40% Value
T1	10		122,572
T3	5	2.06	111,250

L8 0 0 0

L9 1,247 13,973,060 0

TOTAL 1,937 19,150,233 0

EXEMPT PROPERTY

Code	Count	40% Value
E0	16	921,177
E1	552	54,440,086
E2	494	16,731,798
E3	146	11,984,993
E4	5	868,473
E5	7	230,573
E6	77	14,742,809
E7	0	0
E8	0	0
E9	10	494,178

TOTAL 1,307 100,414,087

SUMMARY

Code	Count	Acres	40% Value
Agricultural	1	0	2
Brownfield Property	0	0	0
Commercial	5,197	1,082.64	162,057,588
Historical	4	0.23	356,077
Industrial	81	38.91	1,926,986
Forest Land Cons Use	0	0	0
Preferential	0	0	0
Qualified Timberland	0	0	0
Residential	17,331	2,159.64	125,402,806
Residential Transitional	15	2.06	233,822
Utility	56	51.8	41,313,823
Conservation Use	1	4.95	148,889
Environmentally Sensitive	0	0	0
Motor Vehicle	2,704		2,801,890
Mobile Home	286		1,210,821
Timber 100%	0	0	0
Heavy Equipment	0		0
Gross Digest	25,676	3,340.23	335,452,704
Exemptions Bond			0
Net Bond Digest			335,452,704
Gross Digest	25,676	3,340.23	335,452,704
Exemptions-M&O			19,150,233
Net M&O Digest			316,302,471

TAX LEVIED

TYPE	ASSESSED VALUE	MILLAGE	TAX
M & O	316,302,471	11.876	3,756,408.14
BOND	335,452,704	.000	0.00

T4	0	0	0
UTILITY			
Code	Count	Acres	40% Value
U1	2		26,978
U2	31	0	41,194,137
U3	19	18.73	65,236
U4	4	33.07	27,472
U5	0	0	0
U7	0	0	0
U9	0	0	0
UA	0		0
UB	0		0
UF	0		0
UZ	0		0

Appendix C

GEORGIA FORESTRY
COMMISSION



A Program of the Georgia Forestry Commission
with support from the U.S. Forest Service

Community Wildfire Protection Plan

An Action Plan for Wildfire Mitigation and Conservation of Natural Resources

Ware County



SEPTEMBER 2018

Prepared by;
Tommy Banks, Chief Ranger, Ware County
Bo Chesser, FMO, Southern Zone
Will Fell, CWPP Specialist (Initial Plan 2010)
Beryl Budd, Wildfire Prevention Specialist (Revised plan 2018)
Georgia Forestry Commission
2999 Forest Rd
Waycross GA 31503

The following report is a collaborative effort among various entities; the representatives listed below comprise the core decision-making team responsible for this report and mutually agree on the plan's contents:

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PLAN CONTENTS

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Appended Documents:

Ware County Southern Wildfire Risk Assessment Summary Report (SWRA)

Ware County Wildfire Pre-suppression Plan

NFPA 1141 Standard for Fire Protection Infrastructure for Land Development in Suburban and Rural Areas.

I. OBJECTIVES

The mission of the following report is to set clear priorities for the implementation of wildfire mitigation in Ware County. The plan includes prioritized recommendations for the appropriate types and methods of fuel reduction and structure ignitability reduction that will protect this community and its essential infrastructure. It also includes a plan for wildfire suppression. Specifically, the plan includes community-centered actions that will:

- Educate citizens on wildfire, its risks, and ways to protect lives and properties,
- Support fire rescue and suppression entities,
- Focus on collaborative decision-making and citizen participation,
- Develop and implement effective mitigation strategies, and
- Develop and implement effective community ordinances and codes.

II. COMMUNITY COLLABORATION

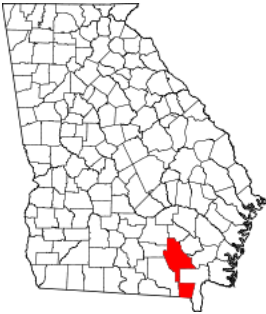
The core team convened in November of 2008 to assess risks and develop the Community Wildfire Protection Plan. The group is comprised of representatives from local government, local fire authorities, and the state agency responsible for forest management. Below are the groups included in the task force:

Ware County Government
Fire Rescue
Emergency Management
Board of County Commissioners
City Of Waycross
Public Safety Department
Georgia Forestry Commission
US Fish & Wildlife Service

It was decided to conduct community assessments on the basis of selected communities within the county. The chiefs and captains of Ware County Fire And Rescue assessed their districts and reconvened in April of 2009 for the purpose of completing the following:

Risk Assessment	Assessed wildfire hazard risks and prioritized mitigation actions.
Fuels Reduction	Identified strategies for coordinating fuels treatment projects.
Structure Ignitability	Identified strategies for reducing the ignitability of structures within the Wildland interface.
Emergency Management	Forged relationships among local government and fire districts and developed/refined a pre-suppression plan.
Education and Outreach	Developed strategies for increasing citizen awareness and action and to conduct homeowner and community leader workshops.

III. COMMUNITY & WILDFIRE HISTORY



Ware County, in extreme southeast Georgia, was formed when Appling County was divided by the state legislature on December 15, 1824. It was named for a man who never visited the area, Nicholas Ware, an active politician known for his flamboyant lifestyle. The lower portion of the county forms a major part of the Okefenokee Swamp. Waycross, the county seat, is about 100 miles northwest of Jacksonville, Florida.

The defining of county lines did not stop conflict with the Native Americans, who resented the crossing of old borders, regardless of any treaties. The Wildes Massacre, the last slaughter by the Indians in Georgia, occurred in Ware County in 1838, during the Second Seminole War. Nine people were killed by a group of Creek warriors, who escaped into the vast Okefenokee Swamp.

One of Ware County's borders is the Satilla River, which in the mid- to late 1800s became a busy locale for rafting yellow longleaf pine to sawmills on the coast. The Okefenokee Swamp offered cypress trees, and the famed Hebardville Cypress Mill, considered the largest such operation in the world at its peak period, also underscored this area as a timber cutter's paradise. Unique here at the turn of the century was the narrow-gauge railroad that snaked its way from Ware County's Hebardville to Billys Island in the Okefenokee, transporting cut cypress to the mill.

Ware County was known as a place where trails and roads met, the reason for Waycross's name.

The Indian paths along which many early roads were cut headed toward Trader's Hill, Coleraine, and Camp Pinckney on the St. Marys River, or to Burnt Fort on the Satilla. Later, the stagecoach would find one of its major relay stations at Peter Bedford's Tavern in the county seat of Waresboro. The county's position as a transportation hub continued to strengthen with the coming of the railroad and the 1874 formation of Waycross, which became the new county seat.

Contributing to the county's educational growth are Waycross College and Okefenokee Technical College, which offer, besides their regular curricula, various programs beneficial to everyone in the community. Southern Forest World, the Okefenokee Heritage Center, the Okefenokee Swamp Park, and Obediah's Okefenok also offer both educational programs and entertainment for the public and tourists.

The Downtown Waycross Development Authority has successfully encouraged new businesses to come into the once flourishing downtown.

Phase I of the new Trembling Earth Recreation Complex has turned into Phase II, with Phase III of the Ware County plan waiting in the wings. Ware County is known as southeast Georgia's regional retail center, and many buyers come daily from the surrounding counties to make purchases. With this growth in both the city and county, new buildings and plants are on the drawing boards for expansion in what is still called "This Magic Wilderness."

According to the U.S. census the county population in 2000 was 35,483, with 69.7 percent of its residents white, 28 percent black, and 1.9 percent Hispanic. The county encompasses 903 square miles.

(Courtesy *New Georgia Encyclopedia*)

Wildfire History

Ware County is the largest county in land area in Georgia. Forestland covers approximately 89% of the county's land area. While about one third of the county, mostly south of the city of Waycross, is located within the confines of the Okefenokee National Wildlife Refuge and the Dixon State Forest, there are still significant large expanses of timber and wildlands to the immediate southwest and southeast of town along with major stretches of pine flatwoods with high fuel loadings to the west and northwest of Waycross including many smaller communities such as Manor, Dixie Union, Millwood, Waresboro, Pebble Hill, Bickley and Jamestown.

Ware County outside of Waycross is protected by the Ware County Fire and Rescue. The Main Station located in the Industrial Park northwest of Waycross is staffed full time with paid firefighters while the nine outlying stations, well distributed around the county are staffed with volunteer responders. The City of Waycross is covered by three stations staffed with full time firefighters. The Georgia Forestry Commission maintains and staffs a county protection unit located in the Industrial Park just northwest of the city to respond to wildland fires. This station is centrally located to cover the private timberlands and wildlands within Ware County.

The City of Waycross is serviced with a modern pressurized water system with hydrants along with adjacent areas of the county around the Industrial Park, Emerson Park area and the area off US 1 southeast of the city.

Over the past fifty years, Ware County has averaged around 127 reported wildfires a year with almost 50% of these occurring during February, March April and May. These fires have burned an average of 746 acres a year over the same period (excluding the large fire of 2007), though generally there has been some slight decrease since the advent of burning permits the past 20 years. However the seasonality of both the numbers of fires and acres burned has evened out somewhat over this period. The leading cause of fires in Ware County has been debris burning accounting for about 35% of the fires and about 25% of the acres lost. The second and third leading causes of fires were incendiary or arson and railroads accounting for 16% and 15% respectively of the fires reported and 19% and 20% of the acres lost.

More recently over the last 10 years, fiscal years 2008-2017, Ware County has averaged 54 wildfires and 4234 acres burned annually. During this the time the leading cause was debris burning causing 43% of the fires and burning 2% of the acres. Lightning was the 2nd leading cause accounting for 15% of the fires and 1% of the acreage burned. Machine use was the 3rd major cause with 10% of the fires and 46% of the acreage burned. Miscellaneous causes such as powerlines, fireworks, etc. accounted for 11% of the fires and 50% (21,047 acres) of the acreage burned. Incendiary (arson) caused fires, while lower in the most recent years, is still of concern causing 7% of the fires during these years and about 1% of the acreage burned.

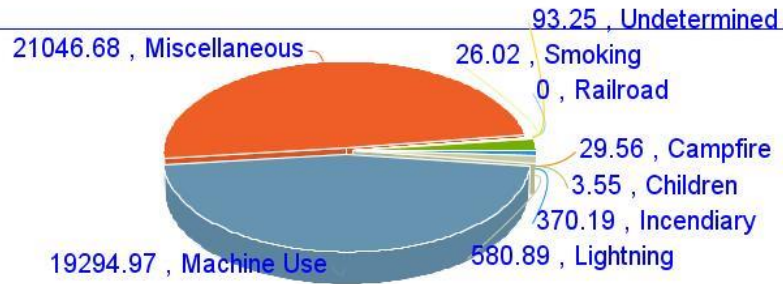
Ware County fire information for the most recent 2018 fiscal year, July 1, 1017 – June 30, 2018.

County = Ware	Cause	Fires	Acres	Fires 5 Yr Avg	Acres 5 Yr Avg
Campfire	Campfire	4	19.80	1.40	5.32
Children	Children	1	0.26	1.00	0.35
Debris: Ag Fields, Pastures, Orchards, Etc	Debris: Ag Fields, Pastures, Orchards, Etc	1	6.30	0.20	1.26
Debris: Construction Land Clearing	Debris: Construction Land Clearing	1	4.60	0.60	0.98
Debris: Escaped Prescribed Burn	Debris: Escaped Prescribed Burn	2	17.20	3.00	15.88
Debris: Household Garbage	Debris: Household Garbage	0	0.00	1.00	2.46
Debris: Other	Debris: Other	2	1.05	0.80	0.24
Debris: Residential, Leafpiles, Yard, Etc	Debris: Residential, Leafpiles, Yard, Etc	7	8.00	6.80	12.43
Debris: Site Prep - Forestry Related	Debris: Site Prep - Forestry Related	1	0.25	2.20	10.63
Incendiary	Incendiary	0	0.00	4.00	41.36
Lightning	Lightning	5	31.44	5.80	36.88
Machine Use	Machine Use	1	20.00	2.60	14.48
Miscellaneous: Firearms/Ammunition	Miscellaneous: Firearms/Ammunition	0	0.00	0.20	2.00
Miscellaneous: Other	Miscellaneous: Other	1	2.00	0.40	0.57
Miscellaneous: Power lines/Electric fences	Miscellaneous: Power lines/Electric fences	1	1.00	1.20	1.02
Miscellaneous: Structure/Vehicle Fires	Miscellaneous: Structure/Vehicle Fires	0	0.00	1.20	0.91
Miscellaneous: Woodstove Ashes	Miscellaneous: Woodstove Ashes	0	0.00	0.20	0.60
Railroad	Railroad	6	41.10	3.80	16.52
Smoking	Smoking	0	0.00	0.20	0.06
Undetermined	Undetermined	12	60.24	7.00	26.18
Totals for County: Ware Year: 2018		45	213.24	43.60	190.13

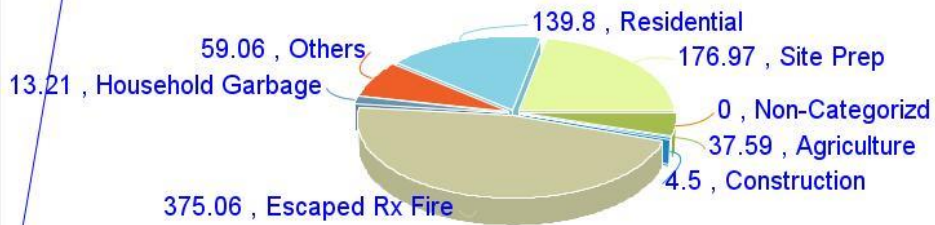
Acres Burned /Number of Fires For Ware County For FY 2008-2017				
Year	Acres Burned	Number of Fires	Average Size	Statewide Average Size
2008	163.97	48	3.42	4.56
2009	201.85	59	3.42	3.90
2010	78.84	64	1.23	3.93
2011	40,679.32	99	410.90	17.56
2012	238.74	51	4.68	5.08
2013	237.17	49	4.84	4.53
2014	101.45	30	3.38	5.02
2015	177.43	46	3.86	4.42
2016	238.20	40	5.96	6.29
2017	220.33	57	3.87	11.60

Acres Burned /Number of Fires by Fire Cause For Ware County For FY 2008-2017		
Fire Cause	Acres Burned	Number of Fires
Campfire	29.56	19
Children	3.55	11
Debris Burning	806.19	204
Incendiary	370.19	34
Lightning	580.89	73
MachineUse	19,294.97	49
Miscellaneous	21,046.68	52
Railroad	0.00	0
Smoking	26.02	7
Undetermined	93.25	26
Total	42,251.30	475

Acreage Burned by Cause of Fire For Ware County For FY 2008-2017

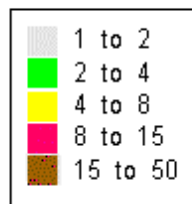
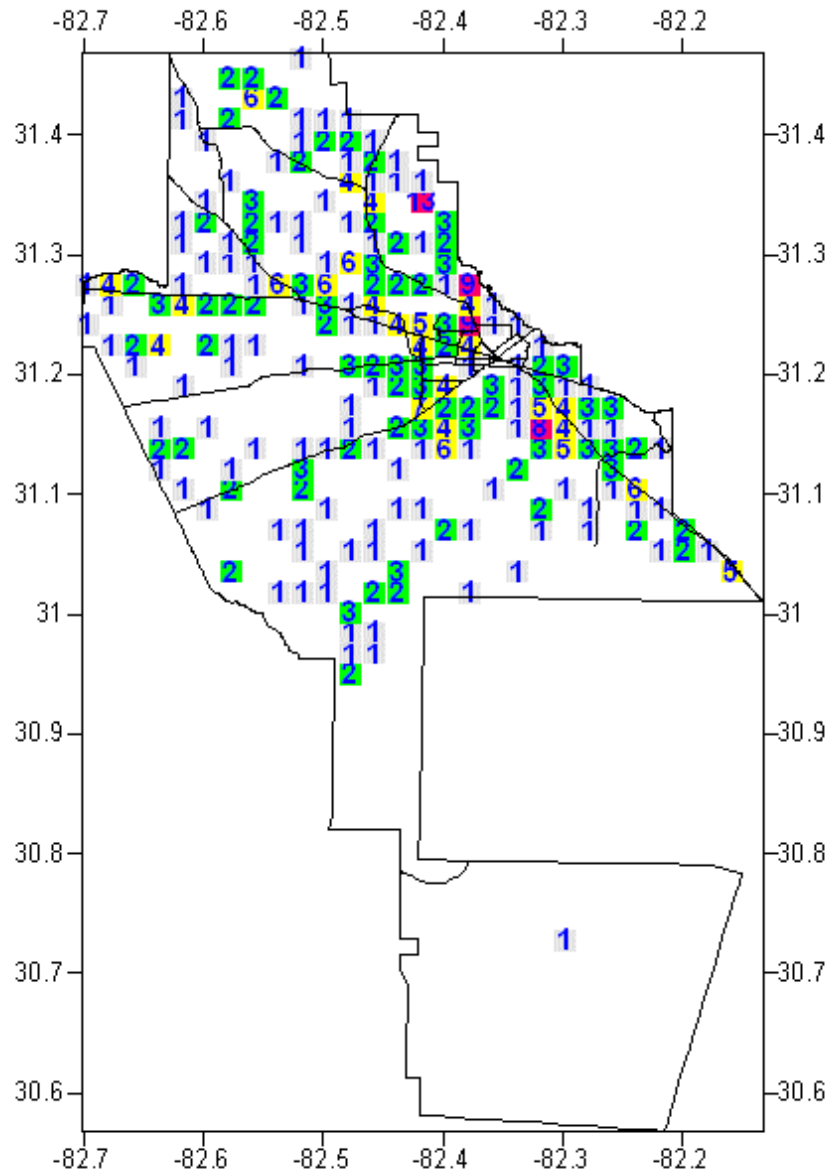


Acreage Burned By Debris Burning Sub Cause For Ware County For FY 2008-2017

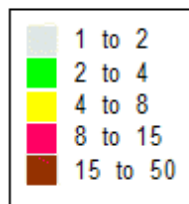
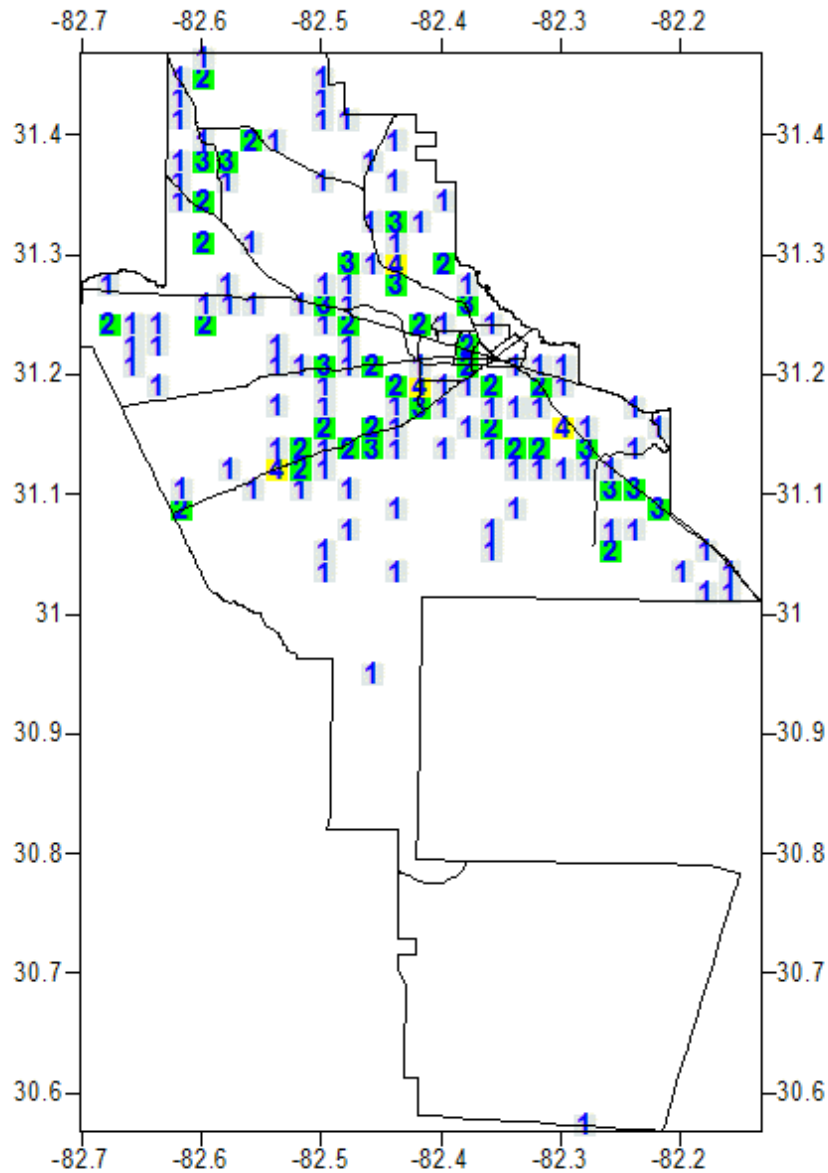


Fire Cause

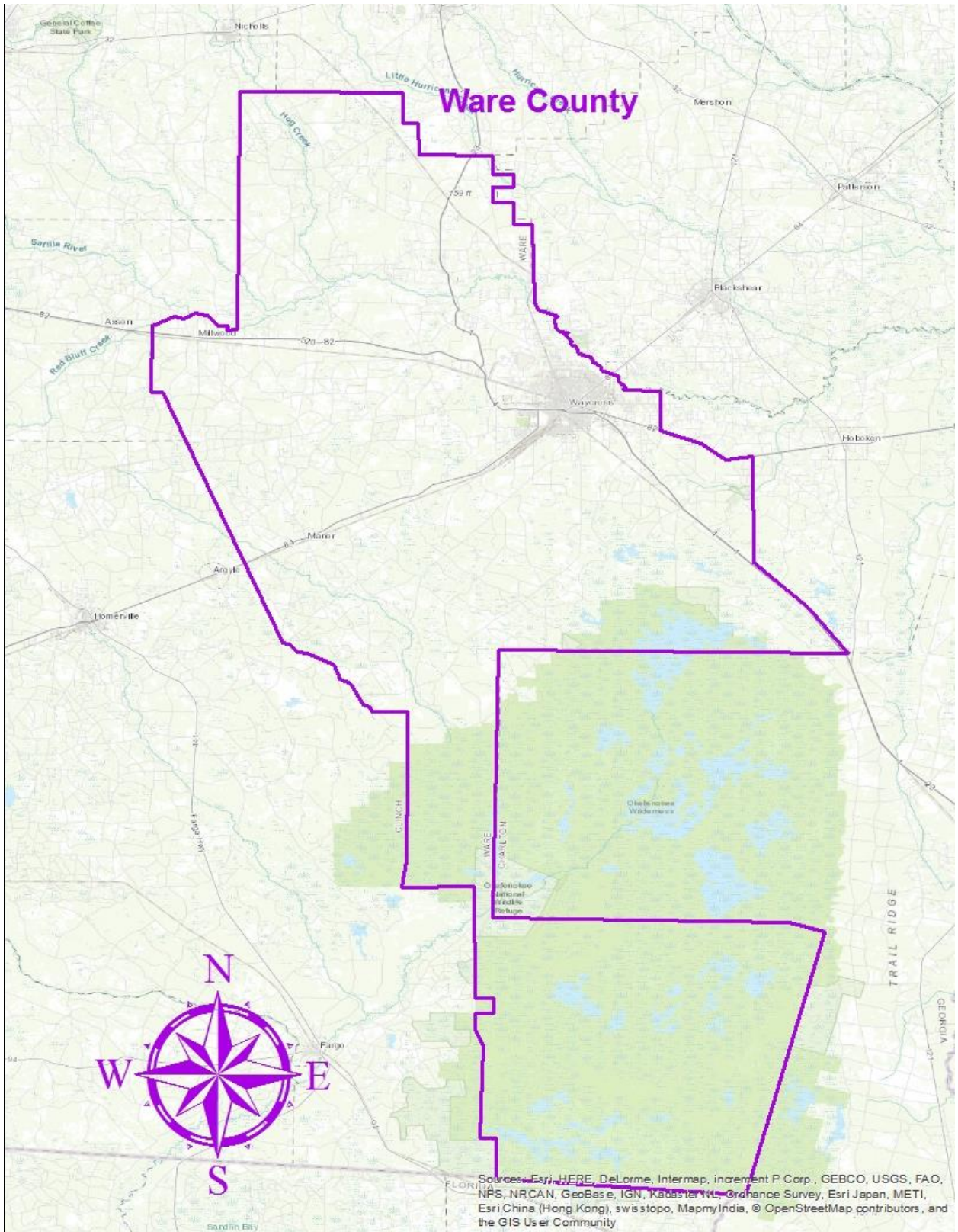
Fire Occurrence Map for Ware County for Fiscal Year 2007-2011

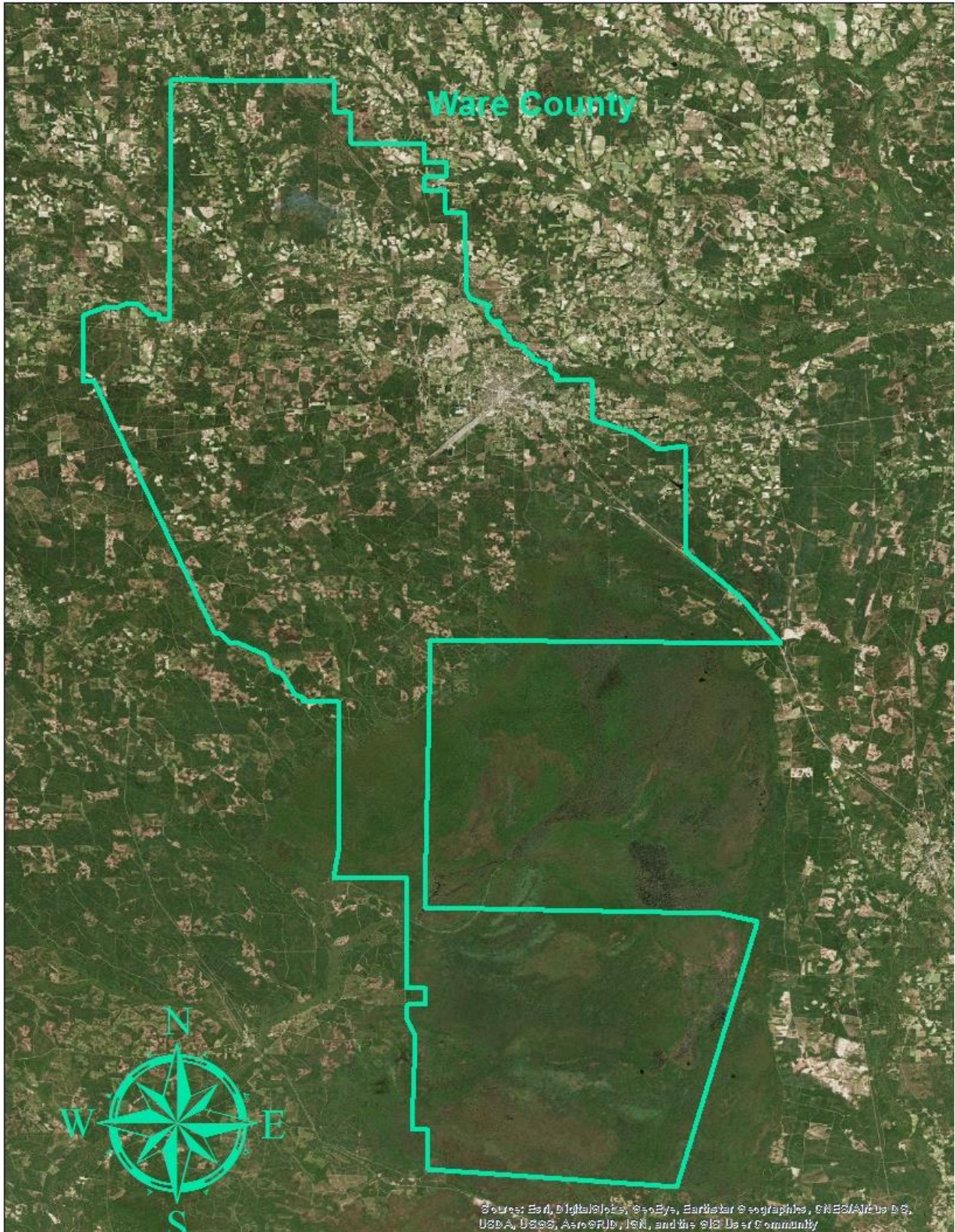


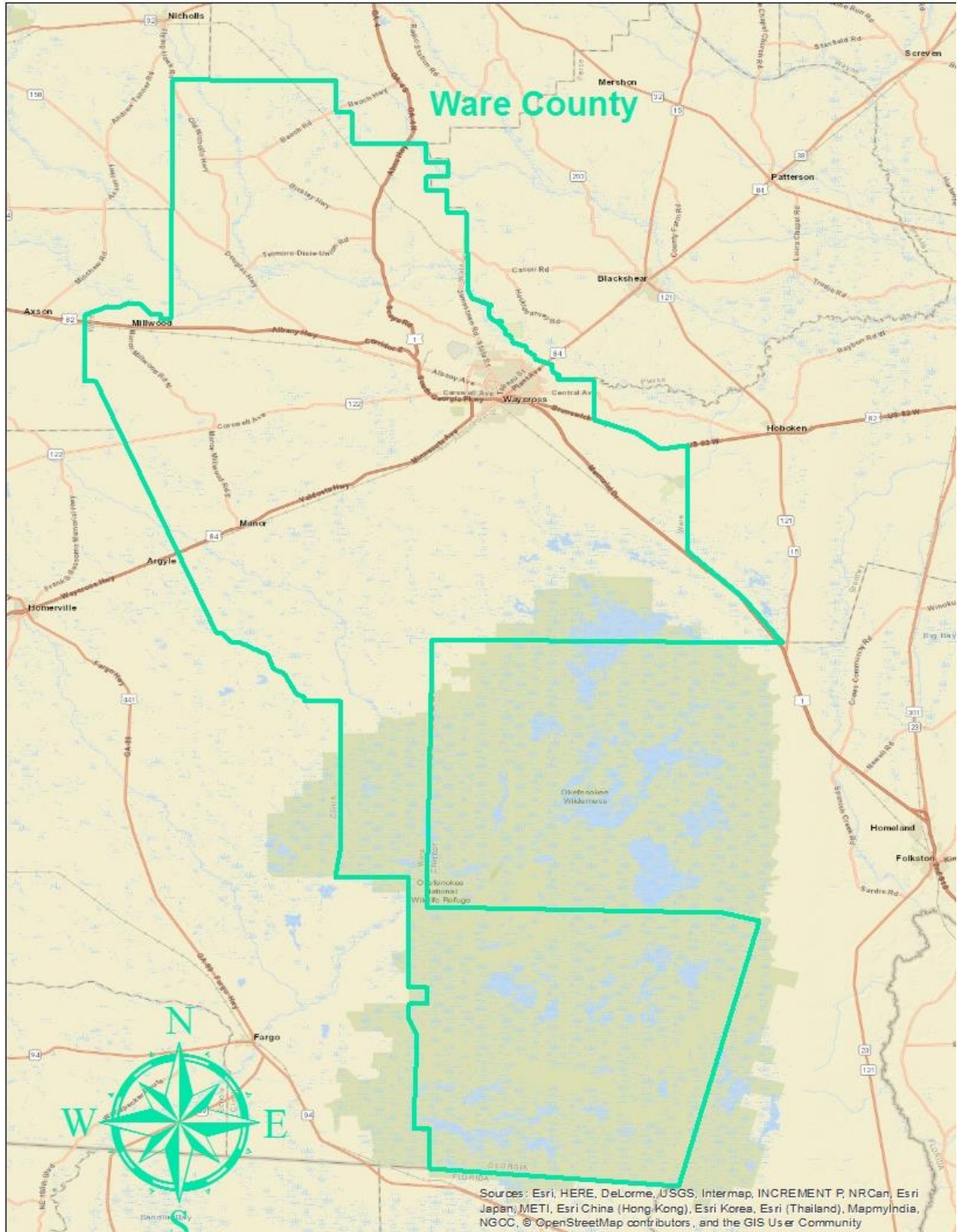
Fire Occurrence Map for Ware County for Fiscal Year 2012-2016



IV. COMMUNITY BASE MAPS







V. COMMUNITY WILDFIRE RISK ASSESSMENT

The Wildland-Urban Interface

There are many definitions of the Wildland-Urban Interface (WUI), however from a fire management perspective it is commonly defined as an area where structures and other human development meet or intermingles with undeveloped wildland or vegetative fuels. As fire is dependent on a certain set of conditions, the National Wildfire Coordinating Group has defined the wildland-urban interface as a set of conditions that exists in or near areas of wildland fuels, regardless of ownership. This set of conditions includes type of vegetation, building construction, accessibility, lot size, topography and other factors such as weather and humidity. When these conditions are present in certain combinations, they make some communities more vulnerable to wildfire damage than others. This “set of conditions” method is perhaps the best way to define wildland-urban interface areas when planning for wildfire prevention, mitigation, and protection activities.

There are three major categories of wildland-urban interface. Depending on the set of conditions present, any of these areas may be at risk from wildfire. A wildfire risk assessment can determine the level of risk.

- 1. “Boundary” wildland-urban interface** is characterized by areas of development where homes, especially new subdivisions, press against public and private wildlands, such as private or commercial forest land or public forests or parks. This is the classic type of wildland-urban interface, with a clearly defined boundary between the suburban fringe and the rural countryside.
- 2. “Intermix” wildland-urban interface** areas are places where improved property and/or structures are scattered and interspersed in wildland areas. These may be isolated rural homes or an area that is just beginning to go through the transition from rural to urban land use.
- 3. “Island” wildland-urban interface**, also called occluded interface, are areas of wildland within predominately urban or suburban areas. As cities or subdivisions grow, islands of undeveloped land may remain, creating remnant forests. Sometimes these remnants exist as parks, or as land that cannot be developed due to site limitations, such as wetlands.

Wildland Urban Interface Hazards

Firefighters in the wildland urban interface may encounter hazards other than the fire itself, such as hazardous materials, utility lines and poor access.

Hazardous Materials

- Common chemicals used around the home may be a direct hazard to firefighters from a flammability, explosion potential and/or vapors or off gassing. Such chemicals include paint, varnish and other flammable liquids, fertilizer, pesticides, cleansers, aerosol cans, fireworks, batteries and ammunition. In addition, some common household products such as plastics may give off very toxic fumes when they burn. Stay out of smoke from burning structures and any unknown sources such as trash piles.

Illicit Activities

- Marijuana plantations or drug production labs may be found in the wildland urban interface areas. Extremely hazardous materials such as propane tanks and flammable/toxic chemicals may be encountered.

Propane Tanks

- Both large (household size) and small (gas grill size) liquefied propane gas (LPG) tanks can present hazards to firefighters, including explosion. See the “LPG Tank Hazards” discussion for details

Utility Lines

- Utility Lines may be located above and below ground and may be cut or damaged by tools or equipment. Don't spray water on utility lines or boxes. Underground Natural Gas lines are extremely hazardous.

Septic Tanks and Fields

- Below ground structures may not be readily apparent and may not support the weight of engines or other equipment.

New Construction Materials

- Many new construction materials have comparatively low melting points and may “off- gas” extremely hazardous vapors. Plastic decking materials that resemble wood are becoming more common and may begin softening and losing structural strength at 180 degrees F, though they normally do not sustain combustion once direct flame is removed. However if they continue to burn they exhibit the characteristics of flammable liquid.

Pets and Livestock

- Pets and livestock may be left when residents evacuate and will likely be highly stressed making them more inclined to bite and kick. Firefighters should not put themselves at risk to rescue pets or livestock.

Evacuation Occurring

- Firefighters may be taking structural protect actions while evacuations of residents are occurring. Be very cautious of people driving erratically. Distraught residents may refuse to leave their property and firefighters may need to disengage from fighting fire to contact law enforcement officers for assistance. In most jurisdictions firefighters do not have the authority to force evacuations. Firefighters should not put themselves at risk trying to protect someone who will not evacuate!

Limited Access

- Narrow one-lane roads with no turn around room, inadequate or poorly maintained bridges and culverts are frequently found in wildland urban interface areas. Access should be sized up and an evacuation plan for all emergency personnel should be developed.

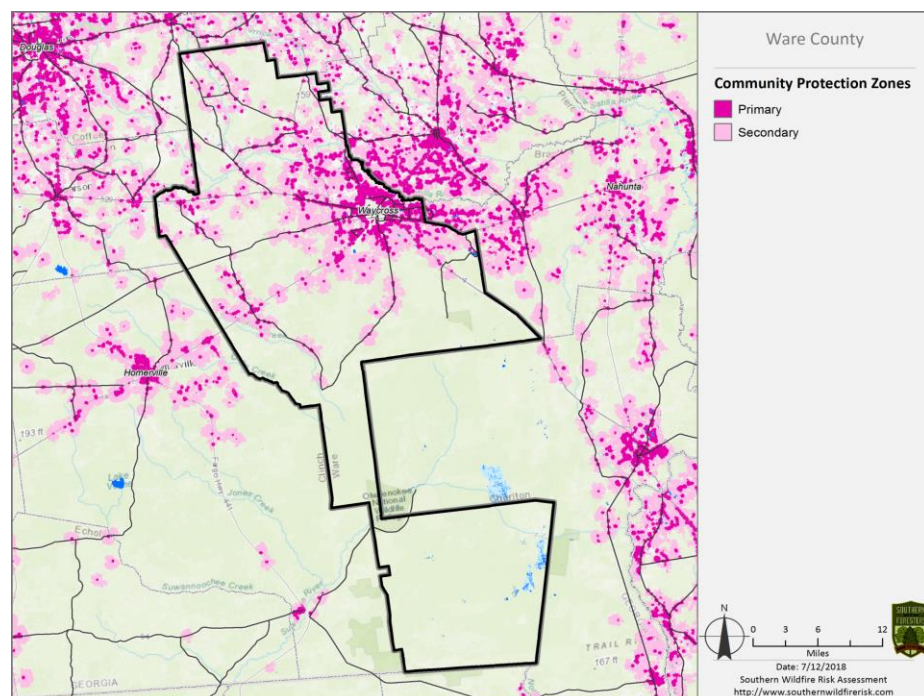


Wildland Urban Interface (WUI) is described as the area where structures and other human improvements meet and intermingle with undeveloped wildland or vegetative fuels.

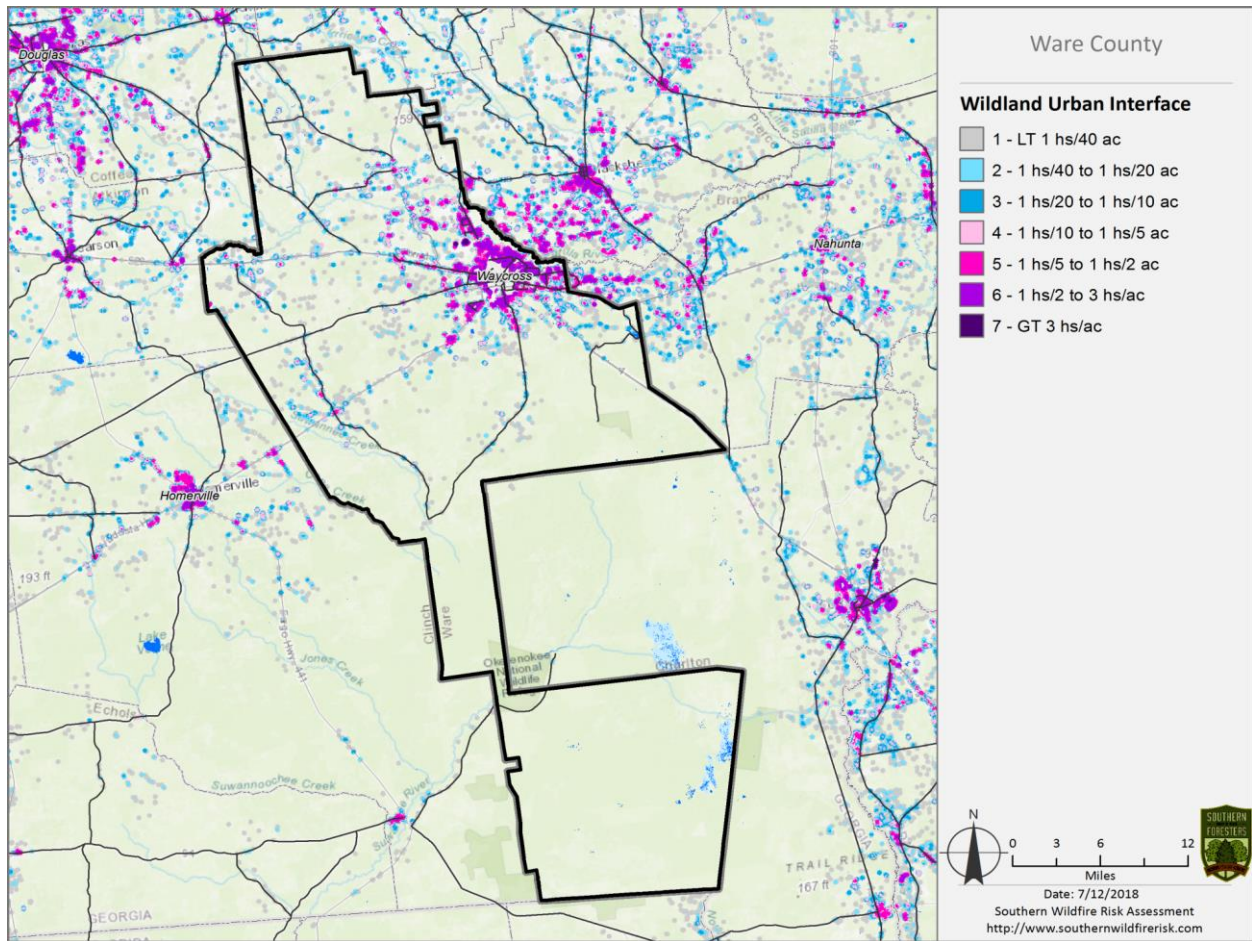
VI. SOUTHERN WILDFIRE RISK ASSESSMENT & RISK HAZARD MAPS

The Southern Wildfire Risk Assessment tool, developed by the Southern Group of State Foresters, was released to the public in July 2014. This tool allows users of the Professional Viewer application of the Southern Wildfire Risk Assessment (SWRA) web Portal (SouthWRAP) to define a specific project area and summarize wildfire related information for this area. A detailed risk summary report is generated using a set of predefined map products developed by the Southern Wildfire Risk Assessment project which have been summarized explicitly for the user defined project area. A risk assessment summary was generated for Ware County. The SouthWRAP (SWRA) products included in this report are designed to provide the information needed to support the following key priorities:

- Identify areas that are most prone to wildfire.
- Identify areas that may require additional tactical planning, specifically related to mitigation projects and Community Wildfire Protection Planning.
- Provide the information necessary to justify resource, budget and funding requests.
- Allow agencies to work together to better define priorities and improve emergency response, particularly across jurisdictional boundaries.
- Define wildland communities and identify the risk to those communities.
- Increase communication and outreach with local residents and the public to create awareness and address community priorities and needs.
- Plan for response and suppression resource needs.
- Plan and prioritize hazardous fuel treatment.

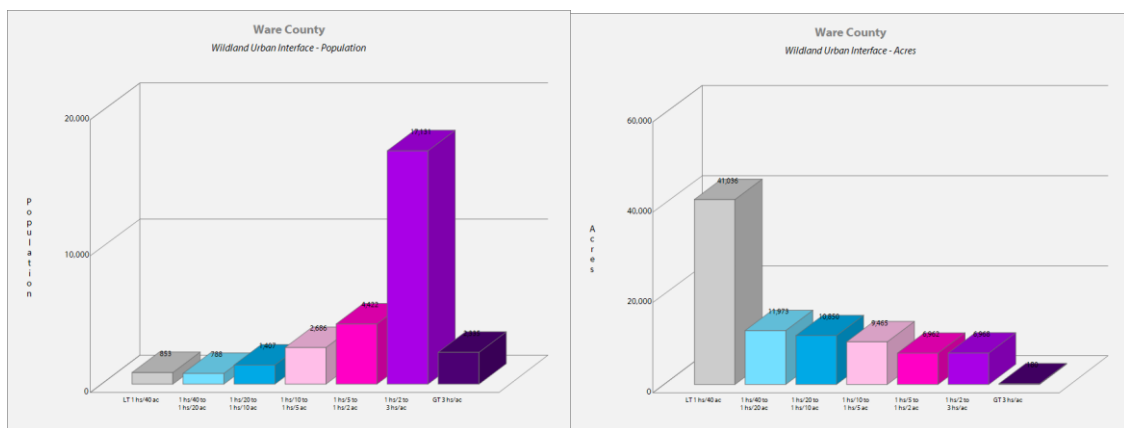


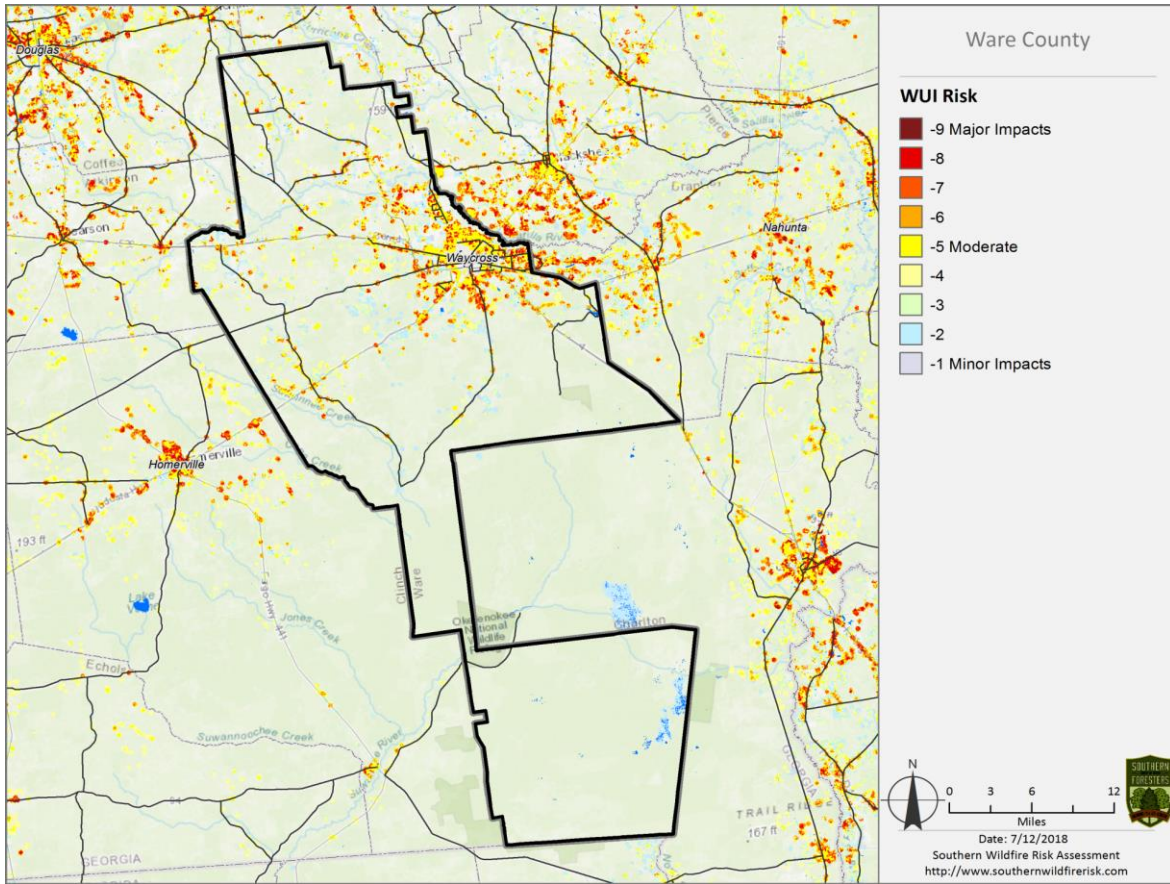
Community Protection Zones map from the Ware County SWRA



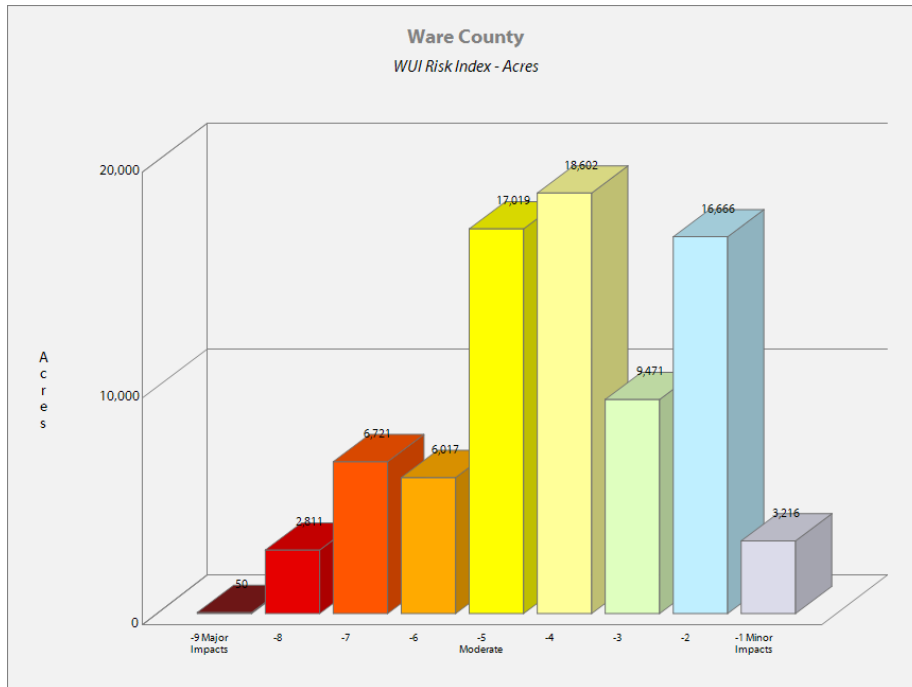
Above: Wildland Urban Interface (WUI) map

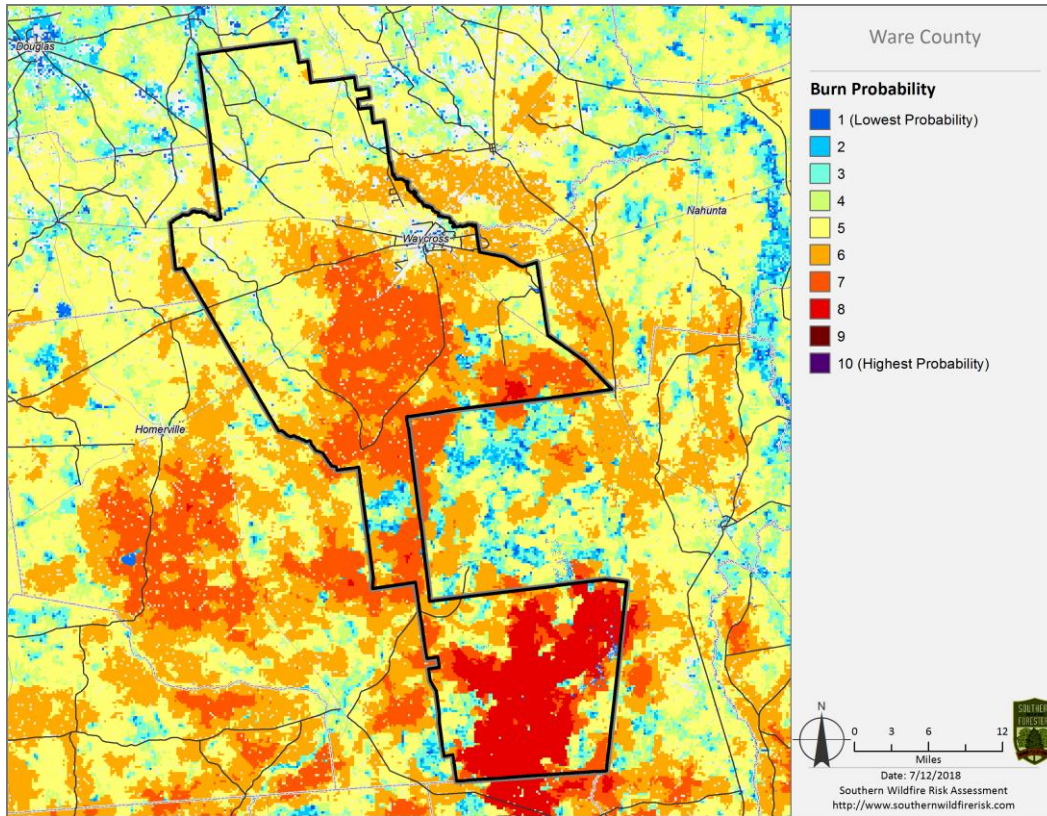
Below: WUI Population (left) WUI Acres (right)



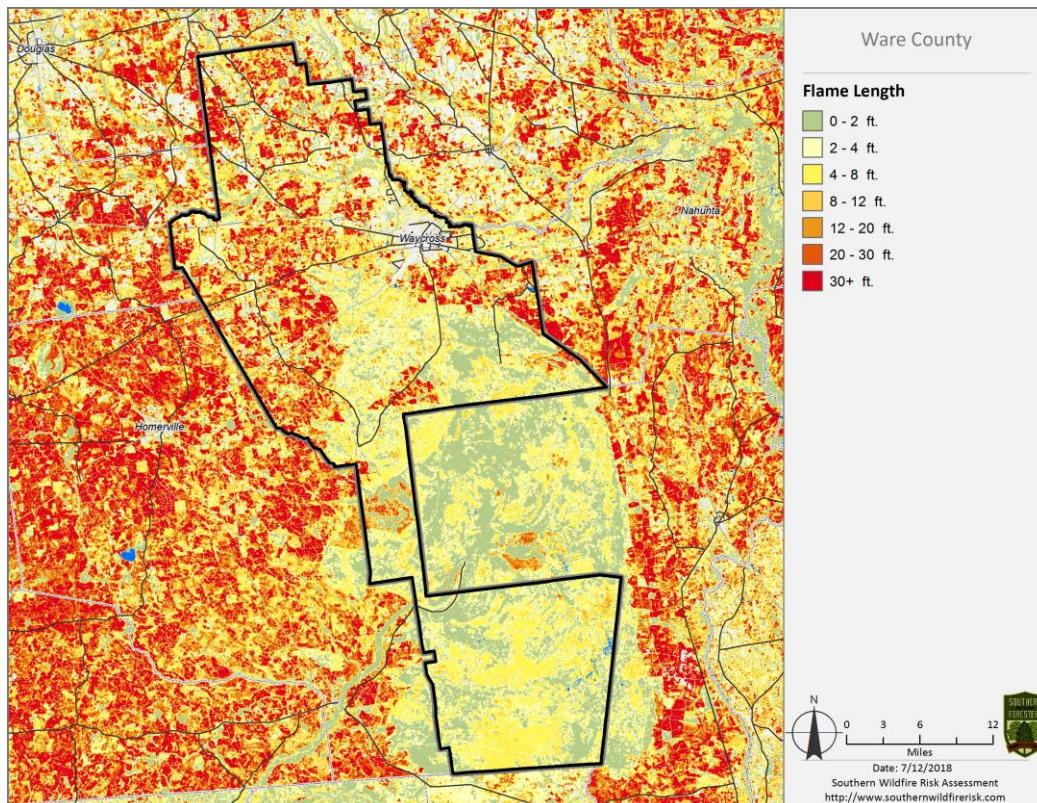


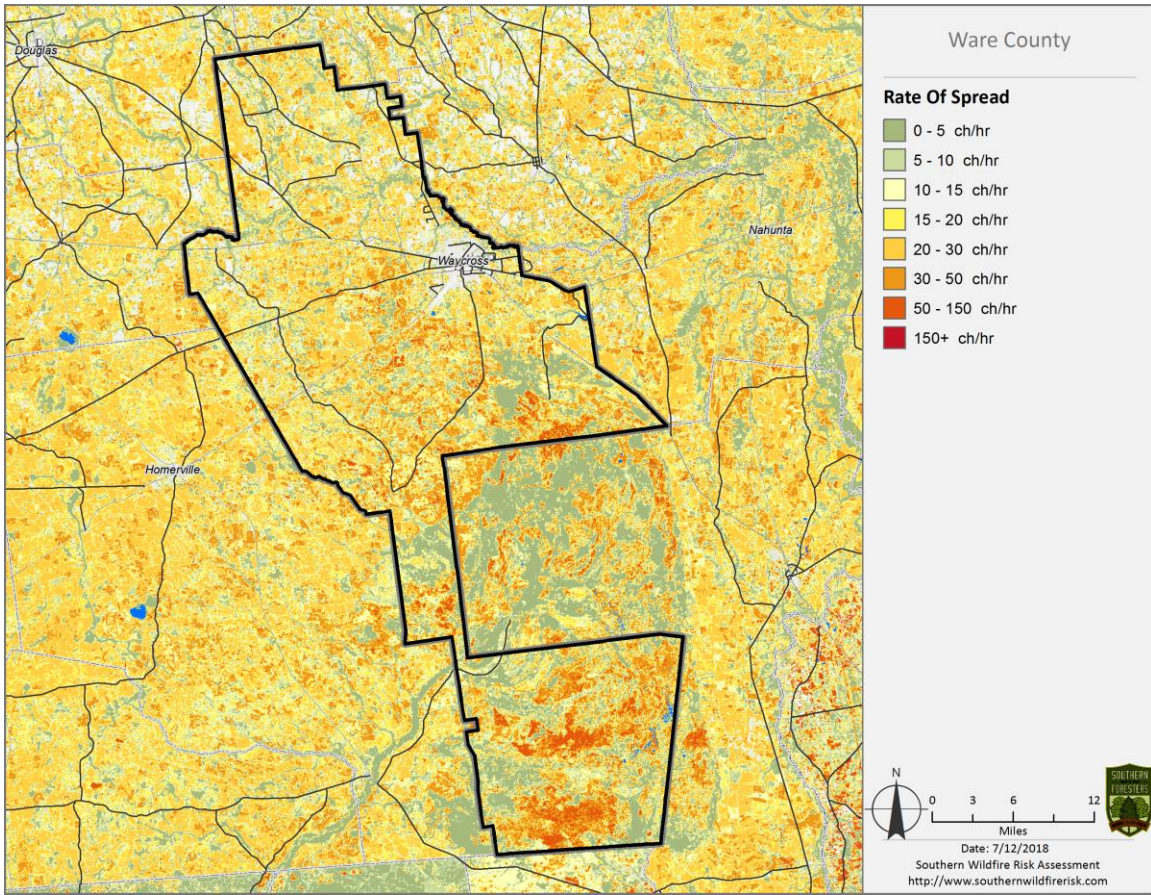
Above: Wildland Urban Interface (WUI) Risk map Below: WUI Risk Acres



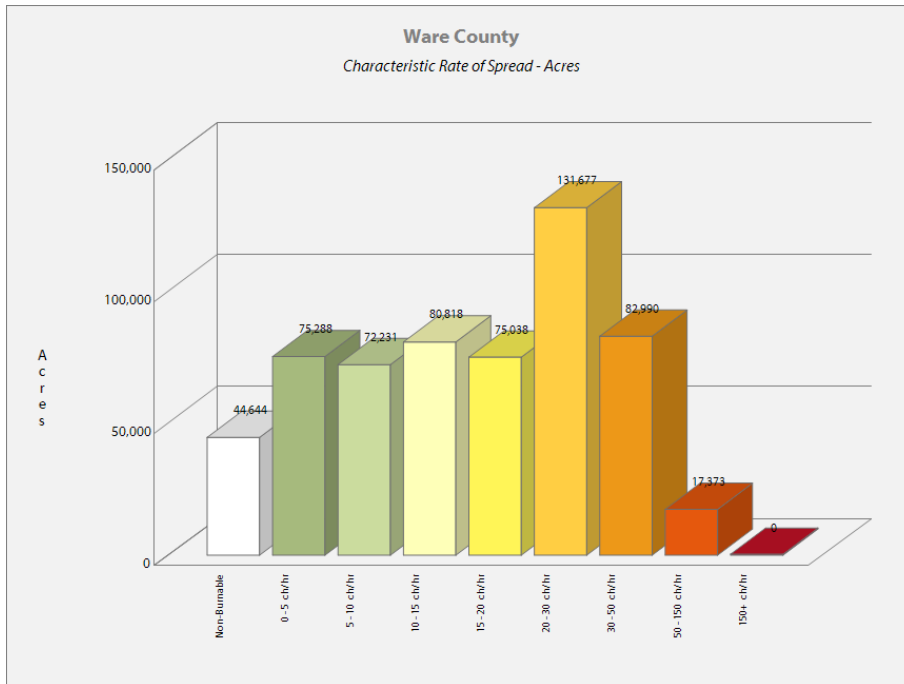


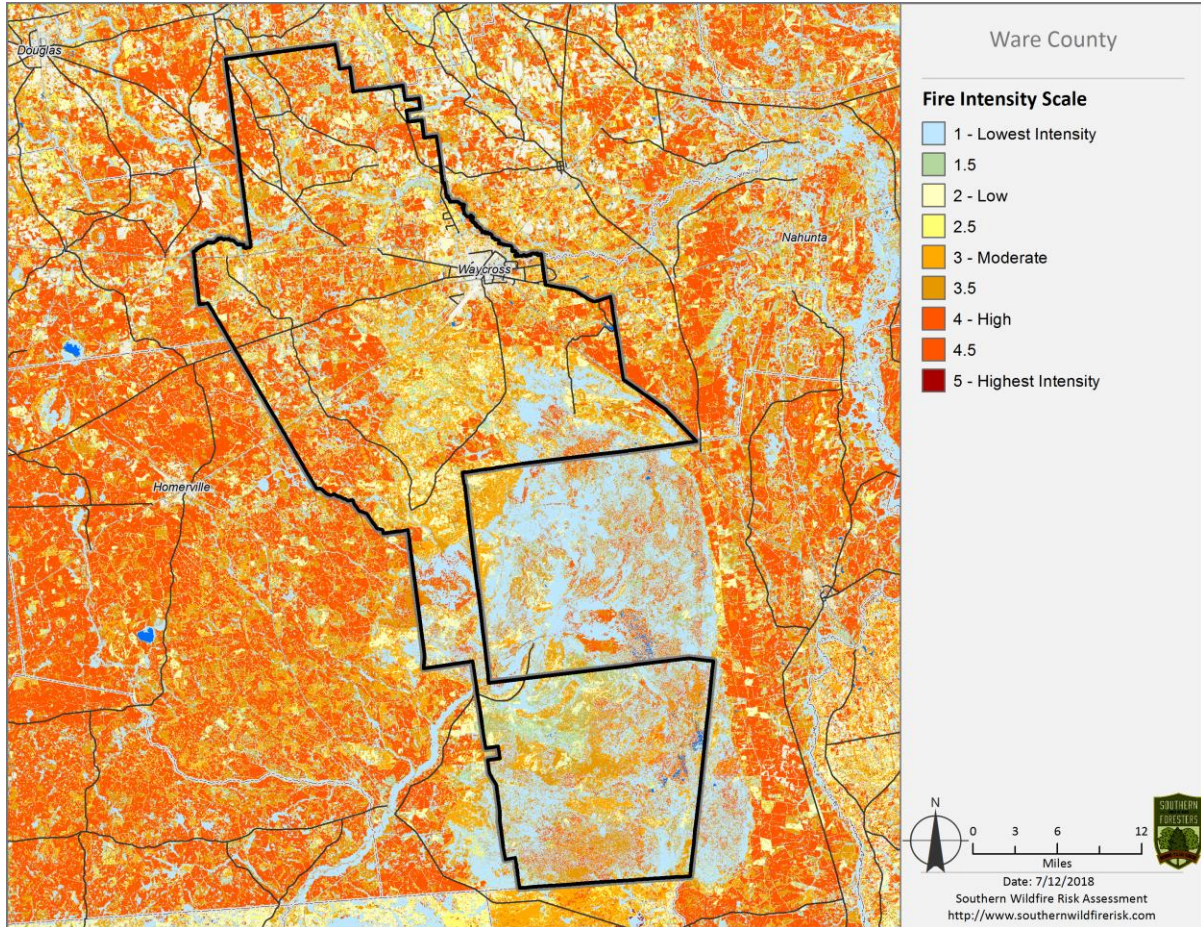
Above: Burn Probability map Below: Flame Length map



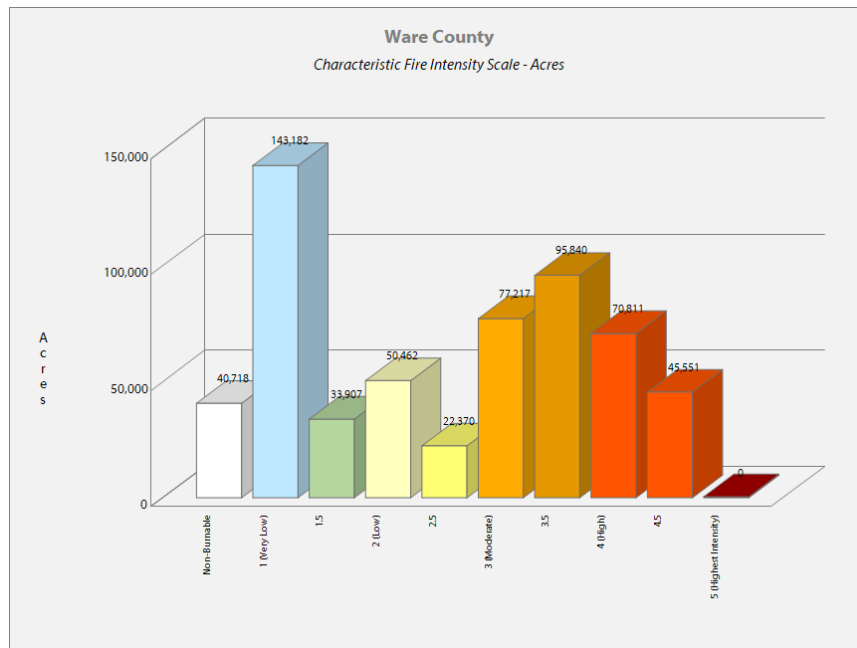


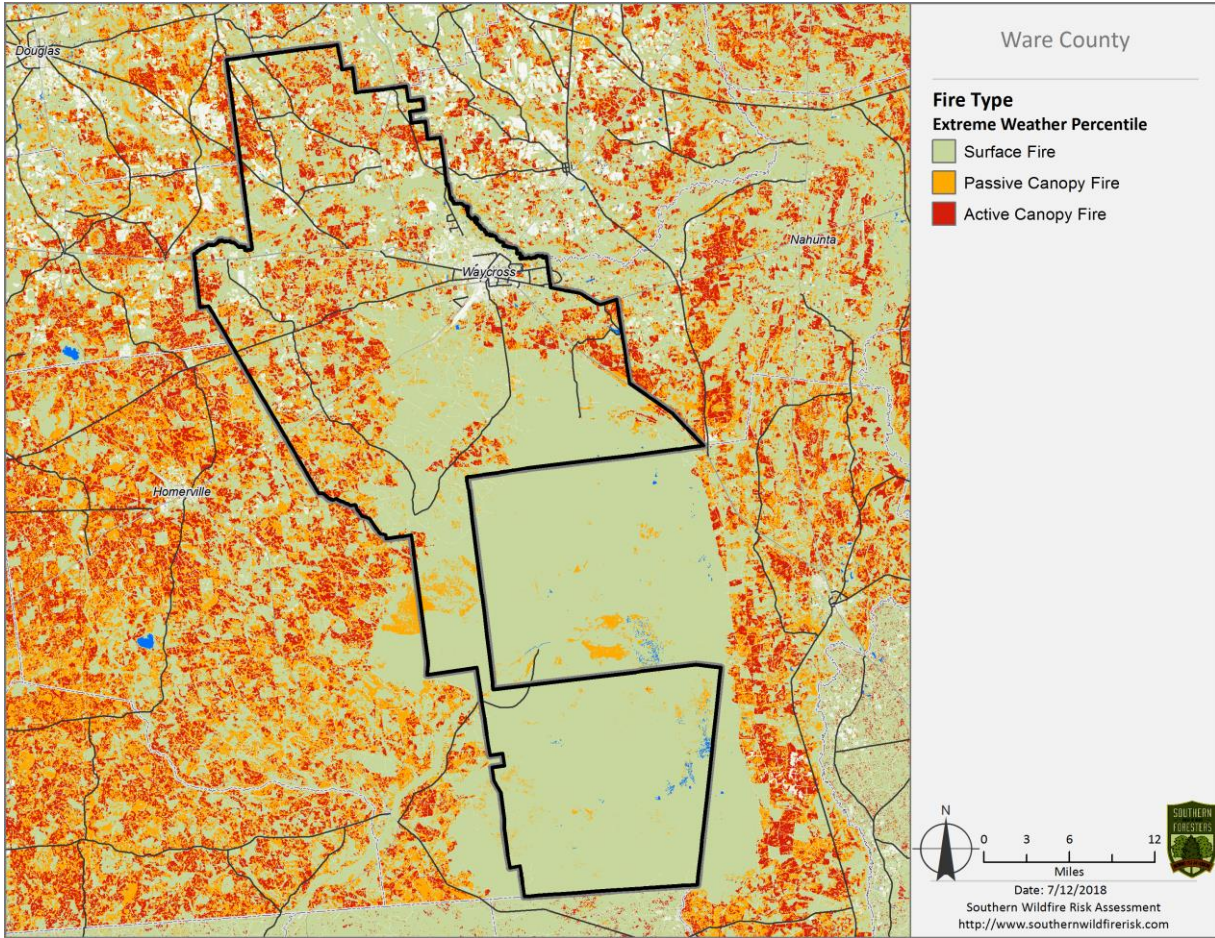
Above: Rate of Spread map Below: Rate of Spread Acres



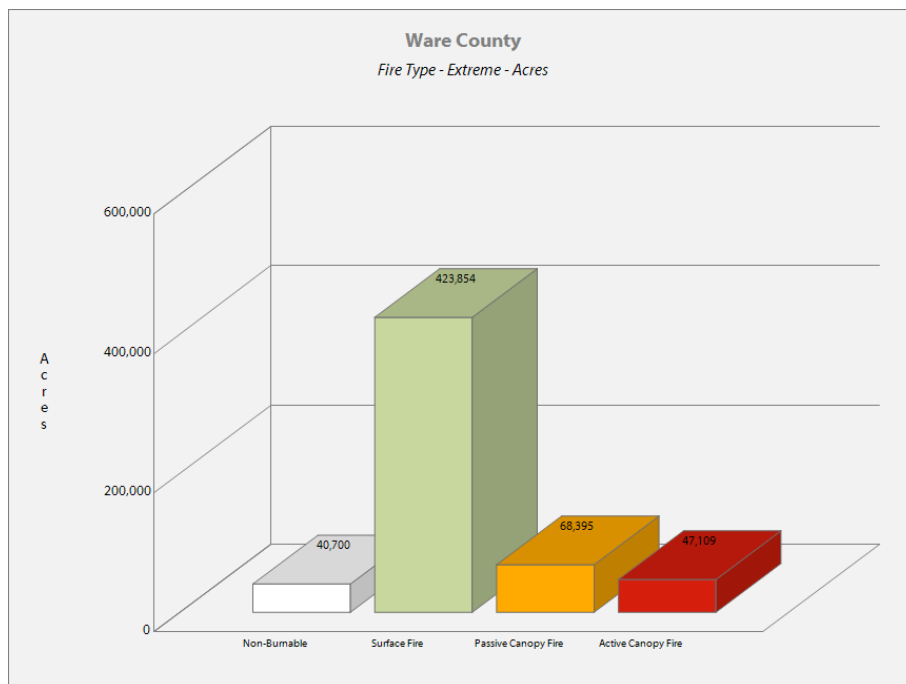


Above: Rate of Spread map Below: Rate of Spread Acres





Above: Fire Type map Below: Fire Type Acres



VII. PRIORITIZED MITIGATION RECOMMENDATIONS

Executive Summary

As Southeast Georgia continues to see increased growth from other areas seeking less crowded and warmer climates, new development will occur more frequently on forest and wildland areas. The County will have an opportunity to significantly influence the wildland fire safety of new developments. It is important that new development be planned and constructed to provide for public safety in the event of a wildland fire emergency.

Over the past 20 years, much has been learned about how and why homes burn during wildland fire emergencies. Perhaps most importantly, case histories and research have shown that even in the most severe circumstances, wildland fire disasters can be avoided. Homes can be designed, built and maintained to withstand a wildfire even in the absence of fire services on the scene. The national Firewise Communities program is a national awareness initiative to help people understand that they don't have to be victims in a wildfire emergency. The National Fire Protection Association has produced two standards for reference: NFPA 1144 Standard for Reducing Structure Ignition Hazards from Wildland Fire, 2008 Edition and NFPA 1141 Standard for Fire Protection Infrastructure for Land Development in Suburban and Rural Areas.

When new developments are built in the Wildland/Urban Interface, a number of public safety challenges may be created for the local fire services: (1) the water supply in the immediate areas may be inadequate for fire suppression; (2) if the Development is in an outlying area, there may be a longer response time for emergency services; (3) in a wildfire emergency, the access road(s) may need to simultaneously support evacuation of residents and the arrival of emergency vehicles; and (4) when wildland fire disasters strike, many structures may be involved simultaneously, quickly exceeding the capability of even the best equipped fire departments.

In 2012 the International Code Council developed the International Wildland Urban Interface Code (IWUIC). This code was adopted by the Georgia Legislature in 2014 for Georgia counties to use with establishing building codes and zoning policies to help reduce structural loss in the wildland urban interface.

The following recommendations were developed by the Ware County CWPP Core team as a result of surveying and assessing fuels and structures and by conducting meetings and interviews with county and city officials. A priority order was determined based on which mitigation projects would best reduce the hazard of wildfire in the assessment area.

Proposed Community Hazard and Structural Ignitability Reduction Priorities

Primary Protection for Community and Its Essential Infrastructure		
Treatment Area	Treatment Types	Treatment Method(s)
1. All Structures	Create minimum of 30-foot of defensible space**	Trim shrubs and vines to 30 feet from structures, trim overhanging limbs, replace flammable plants near homes with less flammable varieties, remove vegetation around chimneys.
2. Applicable Structures	Reduce structural ignitability**	Clean flammable vegetative material from roofs and gutters, store firewood appropriately, install skirting around raised structures, store water hoses for ready access, replace pine straw and mulch around plantings with less flammable landscaping materials.
3. Community Clean-up Day National Wildfire Preparedness Day (1 st Saturday in May)	Cutting, mowing, pruning**	Cut, prune, and mow vegetation in shared community spaces.
4. Road Signage	At replacement	New road signage with minimum 4 inch reflective lettering on non flammable poles. Dead end (no outlet or turn-around) should be prominently tagged.
5. Road Access	Identify needed road improvements	As roads are upgraded, widen to minimum standards with a minimum of 50 foot diameter cul-de- sacs.
6. Subdivision Access	Alternate exits	Work with developers to identify and create alternate access and exits routes to subdivisions and communities with only one way in and out.
7. Codes and Ordinances	Examine existing codes and ordinances. Utilize the International Wildland Urban Interface Code (IWUIC)	Amend and enforce existing building codes as they relate to skirting, propane tank locations, public nuisances (trash/debris on property), Property address marking standards and other relevant concerns. At such time as the development of zoning, planning and subdivision ordinances become practical include fire department and emergency services input in the design of these.

8. Site Plan Review	Evaluate (assess) the WUI hazard of proposed new developments. IWUIC	Consider the “adoption by reference” of NFPA 1144 Standard for Reducing Structural Ignition Hazards from Wildland Fire and NFPA 1141 Standard for Fire Protection Infrastructure for Land Development in Suburban and Rural Areas.
Proposed Community Wildland Fuel Reduction Priorities		
Treatment Area	Treatment Types	Treatment Method(s)
1. Adjacent WUI Lands	Reduce hazardous fuels	Encourage prescribed burning for private landowners and industrial timberlands particularly adjacent to residential areas
2. Adjacent USF&W Lands	Reduce hazardous fuels	Work with USF&W land management to undertake fuel reduction strategies on Okefenokee NWR lands adjacent to WUI areas.
3. Adjacent GFC &WMA Lands	Reduce hazardous fuels	Work with GFC & DNR land management to incorporate regular prescribed burning on State managed lands adjacent to identified WUI areas.
4. Railroad Corridors	Reduce hazardous fuels	Encourage railroads to better maintain their ROW eliminating brush and grass through herbicide and mowing. Maintain firebreaks along ROW adjacent to residential areas.
5. Existing Fire Lines	Reduce hazardous fuels	Encourage private landowners to clean and re-harrow existing fire lines.

Proposed Improved Community Wildland Fire Response Priorities		
1. Water Sources	Dry Hydrants	Inspect, maintain and improve access to existing dry hydrants. Add signage along road to mark the hydrants
2. Fire Stations	Brush Trucks	Investigate need for Brush Trucks at selected stations
3. Fire Stations	Equipment	Wildland hand tools. Lightweight Wildland PPE Gear.
4. Emergency infrastructure	Equipment	Obtain mobile generator to provide backup power where needed.
5. Personnel	Training	Obtain Wildland Fire Suppression training for Fire Personnel. Ready Set Go Training.
**Actions to be taken by homeowners and community stakeholders		

Proposed Education and Outreach Priorities

1. Conduct “How to Have a Firewise Home” Workshop for Ware County Residents
<p>Set up and conduct a workshop for homeowners that teach the principles of making homes and properties safe from wildfire. Topics for discussion include defensible space, landscaping, building construction, etc. Workshop will be scheduled for evenings or weekends when most homeowners are available and advertised through local media outlets.</p> <p>Distribute materials promoting firewise practices and planning through local community and governmental meetings.</p>
2. Conduct “Firewise” Workshop for Community Leaders
<p>Arrange for GFC Firewise program to work with local community leaders and governmental officials on the importance of “Firewise Planning” in developing ordinances and codes as the county as the need arises. Identify “Communities at Risk” within the county for possible firewise community recognition.</p>

3. Spring Clean-up Event (National Wildfire Preparedness Day – annually 1st Saturday in May)

Conduct clean-up event every spring involving the Georgia Forestry Commission, Ware County Fire and Rescue and Waycross Fire Department and community residents. Set up information table with educational materials and refreshments. Initiate the event with a morning briefing by GFC Firewise coordinator and local fire officials detailing plans for the day and safety precautions. Activities to include the following:

- Clean flammable vegetative material from roofs and gutters
- Trim shrubs and vines to 30 feet away from structures
- Trim overhanging limbs
- Clean hazardous or flammable debris from adjacent properties

Celebrate the work with a community cookout, with Community officials, GFC and Ware County Fire and Rescue and Waycross Fire Department discussing and commending the work accomplished.

4. Informational Packets

Develop and distribute informational packets to be distributed by realtors and insurance agents. Included in the packets are the following:

- Be Firewise Around Your Home
- Firewise Guide to Landscape and Construction
- Firewise Communities USA materials
- Ready Set Go materials
- Fire Adapted Community information

5. Wildfire Protection Display

Create and exhibit a display for the general public during the several festivals in the county. The display can be independent or combined with the Georgia Forestry Commission display.

6. Media

Invite the Waycross News Media and area TV and Radio to community “Firewise” functions for news coverage and regularly submit press releases documenting wildfire risk improvements in Ware County. Utilize social media to reach new audiences.

VIII. ACTION PLAN

Roles and Responsibilities

The following roles and responsibilities have been developed to implement the action plan:

Role	Responsibility
Hazardous Fuels and Structural Ignitability Reduction	
Ware County WUI Fire Council	Create this informal team or council comprised of residents, GFC officials, Ware County and Waycross fire officials, a representative from the city and county governments and the EMA Director for Ware county. Meet periodically to review progress towards mitigation goals, appoint and delegate special activities, work with federal, state, and local officials to assess progress and develop future goals and action plans. Work with residents to implement projects and firewise activities.
Key Messages to focus on	<ol style="list-style-type: none"> 1 Defensible Space and Firewise Landscaping 2 Debris Burning Safety 3 Firewise information for homeowners 4 Prescribed burning benefits
Communications objectives	<ol style="list-style-type: none"> 1 Create public awareness for fire danger and defensible space issues 2 Identify most significant human cause fire issues 3 Enlist public support to help prevent these causes 4 Encourage people to employ fire prevention and defensible spaces in their communities.
Target Audiences	<ol style="list-style-type: none"> 1 Homeowners 2 Forest Landowners and users 3 Civic Groups 4 School Groups 5 County and City personnel
Methods	<ol style="list-style-type: none"> 1 News Releases 2 Personal Contacts 3 Key messages and prevention tips 4 Visuals such as signs, brochures and posters 5 Radio, TV, Social Media

Spring Clean-up Day (National Wildfire Preparedness Day – 1 st Saturday in May annually)	
Event Coordinator	Coordinate day’s events and schedule, catering for cookout, guest attendance, and moderate activities the day of the day of the event.
Event Treasurer	Collect funds from residents to cover food, equipment rentals, and supplies.
Publicity Coordinator	Advertise event through neighborhood newsletter, letters to officials, and public service announcements (PSAs) for local media outlets. Publicize post-event through local paper and radio PSAs.
Work Supervisor	Develop volunteer labor force of community residents; develop labor/advisory force from Georgia Forestry Commission, County and City Fire Departments, and Ware County EMA. Procure needed equipment and supplies. In cooperation with local city and county officials, develop safety protocol. Supervise work and monitor activities for safety the day of the event.

Funding Needs

The following funding is needed to implement the action plan:

Project	Estimated Cost	Potential Funding Source(s)
1. Create a minimum of 30 feet of defensible space around structures	Varies	Residents will supply labor and fund required work on their own properties.
2. Reduce structural ignitability by cleaning flammable vegetation from roofs and gutters, appropriately storing firewood, installing skirting around raised structures, storing water hoses for ready access, replacing pine needles and mulch around plantings with less flammable material.	Varies	Residents will supply labor and fund required work on their own properties.
3. Amend codes and ordinances to provide better driveway access, increased visibility of house numbers, properly stored firewood, minimum defensible space brush clearance, required Class A roofing materials and skirting around raised structures, planned maintenance of community lots.	No Cost	To be adopted by city and county government. IWUIC
4. Spring Cleanup Day	Varies	Community Donations.
5. Fuel Reduction Activities	35/acre	Federal Grants.



Prescribed burning is the most effective management practice to reduce hazardous fuels. The Georgia Forestry Commission can assist with developing a prescribed burning plan, installation of firebreaks, and can provide equipment standby and burning assistance when personnel are available. Private forestry contractors can also provide this service.



Forestry mastication equipment and brush cutters, such as pictured above, can be very effective in reducing understory fuels in areas where prescribed fire may not be practical. This practice is most effective as a management objective in areas where homes back up to the wildland urban interface. Private contractors can provide this service.

Assessment Strategy

To accurately assess progress and effectiveness for the action plan, the Ware County WUI Fire Council will implement the following:

- Annual wildfire risk assessment will be conducted to re-assess wildfire hazards and prioritize needed actions.
- Mitigation efforts that are recurring (such as mowing, burning, clearing of defensible space) will be incorporated into an annual renewal of the original action plan.
- Mitigation efforts that could not be funded in the requested year will be incorporated into the annual renewal of the original action plan.
- Continuing educational and outreach programs will be conducted and assessed for effectiveness. Workshops will be evaluated based on attendance and post surveys that are distributed by mail 1 month and 6 months following workshop date.
- The Ware County WUIFC will publish an annual report detailing mitigation projects initiated and completed, progress for ongoing actions, funds received, funds spent, and in-kind services utilized. The report will include a “state of the community” section that critically evaluates mitigation progress and identifies areas for improvement. Recommendations will be incorporated into the annual renewal of the action plan.
- An annual survey will be distributed to residents soliciting information on individual mitigation efforts on their own property (e.g., defensible space). Responses will be tallied and reviewed at the next Ware County WUIFC meeting. Needed actions will be discussed and delegated.

This plan should become a working document that is shared by local, state, and federal agencies that will use it to accomplish common goals. An agreed-upon schedule for meeting to review accomplishments, solve problems, and plan for the future should extend beyond the scope of this plan. Without this follow up this plan will have limited value.

IX. MITIGATION ASSISTANCE & GRANT FUNDING

Community Protection Grant: US Forest Service sponsored prescribed fire program. Communities with “at-risk” properties that lie within ten miles of a National Forest, National Park Service or Bureau of Land Management tracts may apply with the Georgia Forestry Commission to have their land prescribe burned free-of-charge. Forest mastication, where it is practical with Georgia Forestry Commission equipment, is also available under this grant program.

FEMA Mitigation Policy MRR-2-08-01: through GEMA – Hazard Mitigation Grant Program (HMGP) and Pre-Disaster Mitigation Program (PDM).

1. To provide technical and financial assistance to local governments to assist in the implementation of long term, cost effective hazard mitigation accomplishments.
2. This policy addresses wildfire mitigation for the purpose of reducing the threat to all-risk structures through creating defensible space, structural protection through the application of ignition resistant construction and limited hazardous fuel reduction to protect life and property.
3. With a completed registered plan (addendum to the State Plan) counties can apply for pre-mitigation funding. They will also be eligible for HMGP funding if the county is declared under a wildfire disaster.

Georgia Forestry Commission: Plowing and prescribed burning assistance, as well as forest mastication, can be obtained from the GFC as a low-cost option for mitigation efforts.

The Georgia Forestry Commission Firewise Community Mitigation Assistance Grants – Nationally recognized Firewise Communities can receive up to \$5000 grants to help address potential wildfire risk reduction projects. Grant submission can be made through local Georgia Forestry Commission offices or your Regional Wildfire Prevention Specialist.

The International Association of Fire Chiefs (IAFC) and American International Group, Inc. (AIG) offer grants to assist local fire departments in establishing or enhancing their community fuels mitigation programs while educating members of the community about community wildfire readiness and encouraging personal action.

X. GLOSSARY

Community-At-Risk – A group of two or more structures whose proximity to forested or wildland areas places homes and residents at some degree of risk.

Critical Facilities – Buildings, structures or other parts of the community infrastructure that require special protection from an approaching wildfire.

CWPP – The Community Wildfire Protection Plan.

Defensible Space – The immediate landscaped area around a structure (usually a minimum of 30 ft.) kept “lean, clean and green” to prevent an approaching wildfire from igniting the structure.

Dry Hydrant - A non-pressurized pipe system permanently installed in existing lakes, ponds and streams that provides a suction supply of water to a fire department tank truck.

FEMA – The Federal Emergency Management Agency whose mission is to support our citizens and first responders to ensure that as a nation we work together to build, sustain, and improve our capability to prepare for, protect against, respond to, recover from, and mitigate all hazards.

Fire Adapted Community – A community fully prepared for its wildfire risk by taking actions to address safety, homes, neighborhoods, businesses and infrastructure, forest, parks, open spaces, and other community assets.

Firewise Program – A national initiative with a purpose to reduce structural losses from wildland fires.

Firewise Community/USA – A national recognition program for communities that take action to protect themselves from wildland fire. To qualify a community must have a wildfire risk assessment by the Georgia Forestry Commission, develop a mitigation action plan, have an annual firewise mitigation/education event, have dedicated firewise leadership, and complete the certification application.

Fuels – All combustible materials within the wildland/urban interface or intermix including, but not limited to, vegetation and structures.

Fuel Modification – Any manipulation or removal of fuels to reduce the likelihood of ignition or the resistance to fire control.

Hazard & Wildfire Risk Assessment – An evaluation to determine an area’s (community’s) potential to be impacted by an approaching wildland fire.

Healthy Forests Initiative - *Launched in August 2002 by President Bush (following passage of the Healthy Forests Restoration Act by Congress) with the intent to reduce the risks severe wildfires pose to people, communities, and the environment.*

Home Ignition Zone (Structure Ignition Zone) - *Treatment area for wildfire protection. The “zone” includes the structure(s) and their immediate surroundings from 0-200 ft.*

Mitigation – *An action that moderates the severity of a fire hazard or risk.*

National Fire Plan – *National initiative, passed by Congress in the year 2000, following a landmark wildland fire season, with the intent of actively responding to severe wildland fires and their impacts to communities while ensuring sufficient firefighting capacity for the future.*

National Fire Protection Association (NFPA) - *An international nonprofit organization established in 1896, whose mission is to reduce the worldwide burden of fire and other hazards on the quality of life by providing and advocating consensus codes and standards, research, training, and education.*

National Wildfire Preparedness Day – *Started in 2014 by the National Fire Protection Association as a day for communities to work together to prepare for the approaching wildfire season. It is held annually on the first Saturday in May.*

Prescribed Burning (prescribed fire) –*The use of planned fire that is deliberately set under specific fuel and weather condition to accomplish a variety of management objectives and is under control until it burns out or is extinguished.*

Ready, Set, Go - *A program fire services use to help homeowners understand wildfire preparedness, awareness, and planning procedures for evacuation.*

Southern Group of State Foresters – *Organization whose members are the agency heads of the forestry agencies of the 13 southern states, Puerto Rico and the Virgin Islands.*

Stakeholders– *Individuals, groups, organizations, businesses or others who have an interest in wildland fire protection and may wish to review and/or contribute to the CWPP content.*

Wildfire or Wildland Fire – *An unplanned and uncontrolled fire spreading through vegetative fuels.*

Wildland/Urban Interface - *The presence of structures in locations in which the authority having jurisdiction (AHJ) determines that topographical features, vegetation, fuel types, local weather conditions and prevailing winds result in the potential for ignition of the structures within the area from flames and firebrands from a wildland fire (NFPA 1144, 2008).*

XI. SOURCES OF INFORMATION

Publications/Brochures/Websites:

- FIREWISE materials can be ordered at www.firewise.org.
- Georgia Forestry Commission www.georgiafirewise.org.
- Examples of successful wildfire mitigation programs can be viewed at the website for National Database of State and Local wildfire Hazard Mitigation Programs sponsored by the U.S. Forest Service and the Southern Group of State Foresters www.wildfireprograms.com.
- Information about a variety of interface issues (including wildfire) can be found at the USFS website for Interface South: www.interfacesouth.org.
- Information on codes and standards for emergency services including wildfire can be found at www.nfpa.org.
- Information on FEMA Assistance to Firefighters Grants (AFG) can be found at www.firegrantsupport.com.
- Information on National Fire Plan grants can be found at <http://www.federalgrantswire.com/national-fire-plan--rural-fire-assistance.html>.
- Southern Wildfire Risk Assessment website SouthWRAP www.SouthernWildfireRisk.com.
- Fire Adapted Communities www.fireadapted.org.
- Ready, Set, Go www.wildlandfirersg.org.
- National Wildfire Preparedness Day www.wildfireprepreday.org.

Appended Documents:

Ware County Southern Wildfire Risk Assessment Summary Report (SWRA)

Ware County Wildfire assessment scoresheets

All files that make up this plan are available in an electronic format from the Georgia Forestry Commission.



Georgia Forestry Commission
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Dry Branch, Ga. 31020

1-800-GA-TREES
GaTrees.org

The Georgia Forestry Commission provides leadership, service, and education in the protection and conservation of Georgia's forest resources.

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Appendix D

Ware County, Georgia

HAZARD FREQUENCY TABLE 1950-2021

Hazard	Number of Events in Historic Record	Number of Years in Historic Record	Number of Events in Past 10 Years	Number of Events in Past 20 Years	Number of Events in Past 50 Years	Historic Recurrence Interval (years)	Historic Frequency % chance/year	Past 10 Year Record Frequency Per Year	Past 20 Year Record Frequency Per Year	Past 50 Year Record Frequency Per Year
Wildfire	6213	53	586	1673	5851	0.01	11722.64	58.6	83.65	117.02
Drought	632	21	322	583	632	0.03	3009.52	32.2	29.15	12.64
Thunderstorm/Wind	180	71	59	116	179	0.39	253.52	5.9	5.8	3.58
Floods/Flash Floods	20	25	11	12	12	1.25	80.00	1.1	0.6	0.24
Extreme Heat	4954	42	1898	2732	4611	0.01	11795.24	189.8	136.6	92.22
Tornado	18	18	6	8	14	1.00	100.00	0.6	0.4	0.28
Hail	50	51	8	40	50	1.02	98.04	0.8	2	1
Hurricane/Tropical Storm	5	71	5	7	7	14.20	7.04	0.5	0.35	0.14
Severe Winter Storm	4	70	1	2	2	17.50	5.71	0.1	0.1	0.04

NOTE: The historic frequency of a hazard event over a given period of time determines the historic recurrence interval. For example: If there have been 20 HazMat Releases in the County in the past 5 years, statistically you could expect that there will be 4 releases a year.

Realize that from a statistical standpoint, there are several variables to consider. 1) Accurate hazard history data and collection are crucial to an accurate recurrence interval and frequency. 2) Data collection and accuracy has been much better in the past 10-20 years (NCDC weather records). 3) It is important to include all significant recorded hazard events which will include periodic updates to this table.

By updating and reviewing this table over time, it may be possible to see if certain types of hazard events are increasing in the past 10-20 years.

|

GEMA Worksheet #2

Profile Hazard Events Step 2

County:

Date:

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

Title of Map	Scale	Date

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

Worksheet #4 Evaluate Alternative Mitigation Actions

1. Fill in the goal and its corresponding objective. Use a separate worksheet for each objective. The considerations under each criterion are suggested ones to use; you can revise these to reflect your own considerations (see Table 2-1).
2. Fill in the alternative actions that address the specific objectives the planning team identified in Worksheet #1.
3. **Scoring:** For each consideration, indicate a plus (+) for favorable, and a negative (-) for less favorable.

When you complete the scoring; negatives will indicate gaps or shortcomings in the particular action, which can be noted in the Comments section. For considerations that do not apply, fill in N/A for not applicable. Only leave a blank if you do not know an answer. In this case, make a note in the Comments section of the "expert" or source to consult to help you evaluate the criterion.

Goal #1: Prevent or reduce damage caused by Wildfire in Ware County and in the City of Waycross.

Objective #1: Minimize losses to existing and future structures, especially Critical Facilities and Infrastructure, and woodlands due to wildfire.

<p>Action Step #1: Provide additional first responder training, air units, air unit chargers, Class A Pumper & Fire Knocker trucks, and other specialized equipment & training to all Ware County Volunteer Fire Departments for Wildfire use.</p>	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<p>Action Step #2: Provide additional first responder training, air units, air unit chargers, Class A Pumper & Fire Knocker trucks, and other specialized equipment & training to the City of Waycross Fire Departments for Wildfire use.</p>	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<p>Action Step #3: Support & enforce GA Forestry Commission burn ordinances and bans and promote hazardous fuel reduction by prescribed burning, mechanical treatment, or chemical treatment carried out and promoted by the GA Forestry Commission in Ware County and the City of Waycross.</p>	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

STAPLEE Criteria	S		T			A			P			L			E				E				
	(Social)		(Technical)			(Administrative)			(Political)			(Legal)			(Economic)				(Environmental)				
Considerations → for Alternative Actions ↓	Community Acceptance	Effect on Segment of Population	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance / Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land / Water	Effect on Endangered Species	Effect on HAZMAT / Waste Sites	Consistent with Community Environmental Goals	Consistent With Federal Laws
Action Step #4: Complete construction of a fire tower facility and add a 100' X100' training classroom.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Action Step #5: In the City of Waycross, replace the four-inch water lines with six-inch water lines and hydrants in the Gilmore/Brunel Street area.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A

Worksheet #4 Evaluate Alternative Mitigation Actions

1. Fill in the goal and its corresponding objective. Use a separate worksheet for each objective. The considerations under each criterion are suggested ones to use; you can revise these to reflect your own considerations (see Table 2-1).
2. Fill in the alternative actions that address the specific objectives the planning team identified in Worksheet #1.
3. **Scoring:** For each consideration, indicate a plus (+) for favorable, and a negative (-) for less favorable.

When you complete the scoring; negatives will indicate gaps or shortcomings in the particular action, which can be noted in the Comments section. For considerations that do not apply, fill in N/A for not applicable. Only leave a blank if you do not know an answer. In this case, make a note in the Comments section of the "expert" or source to consult to help you evaluate the criterion.

Goal #1: Prevent or reduce damage caused by Wildfire in Ware County and in the City of Waycross.

Objective #2: Obtain FireWise Community Status by educating the Ware County and City of Waycross Fire Department personnel and the public on the hazards of Wildfire and the pre-disaster mitigation thereof.

STAPLEE Criteria	S		T			A			P			L			E								
	(Social)		(Technical)			(Administrative)			(Political)			(Legal)			(Economic)				(Environmental)				
Considerations → for Alternative Actions ↓	Community Acceptance	Effect on Segment of Population	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance / Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land / Water	Effect on Endangered Species	Effect on HAZMAT / Waste Sites	Consistent with Community Environmental Goals	Consistent With Federal Laws
Action Step #1: Maintain good public relations between the citizens of Ware County and the City of Waycross and the County/City Fire Departments and plan to increase levels of awareness and resources during peak hazard conditions through the use of education sessions, community meetings, etc.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Action Step #2: Partner with the Georgia Forestry Commission to provide education to Ware County and City of Waycross communities and citizens on the pre-disaster mitigation of wildfire and use; and develop school-based programs to educate children.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A

Worksheet #4 Goal 1: Prevent or reduce damage caused by wildfire in Ware County and in the City of Waycross

Objective #3:

Implement priorities, projects and recommendations contained in GA Forestry Commission's Community Wildfire protection Plan.

STAPLEE Criteria	S		T			A		P			L		E			E							
	(Social)		(Technical)			(Administrative)		(Political)			(Legal)		(Economic)			(Environmental)							
Considerations → for Alternative Actions ↓	Community Acceptance	Effect on Segment of Population	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance / Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land / Water	Effect on Endangered Species	Effect on HAZMAT / Waste Sites	Consistent with Community Environmental Goals	Consistent With Federal Laws
Action Step #1: Educate the public on the importance of trimming shrubs and vines to 30 feet from structures, trimming overhanging limbs, replacing flammable plants near homes with less flammable varieties, and removing vegetation around chimneys. Place this message on Billboards and Social Media.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A

<p>Action Step #2: Educate the public on cleaning flammable vegetative materials from roofs and gutters, storing firewood appropriately, installing skirting around raised structures, storing water hoses for easy access, and replacing pine straw and mulch around plantings with less flammable landscaping materials. Place this message on Billboards and Social Media.</p>	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
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<p>Action Step #7: Amend and enforce existing building codes as they relate to skirting, propane tank locations, public nuisances (trash/debris on property), property address marking standards, and other relevant concerns; at such time as the development of zoning, planning, and subdivision ordinances become practicable, include fire department and emergency services input in the design of these.</p>	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
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Action Step #11: Encourage railroads to better maintain their ROW eliminating brush and grass through herbicide and mowing. Maintain firebreaks along ROW adjacent to residential areas.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Action Step #12: Encourage private landowners to clean and re-harrow existing fire lines.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Action Step #13: Inspect, maintain, and improve access to existing dry hydrants. Add signage along roads to mark the hydrants.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Action Step #14: Purchase brush trucks for identified stations.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Action Step #15: Ensure all fire stations and firefighters are equipped with wildland hand tools and lightweight wildland PPE gear.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Action Step #16: Obtain mobile and fixed generators (including transfer switches) to provide back-up power where needed.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Action Step #17: Obtain Wildland Fire Suppression Training for Fire Personnel.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Action Step #18: Conduct "How to Have a Firewise Home" Workshop for Ware County/City of Waycross Residents.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A

Action Step #19: Conduct "Firewise" Workshop for Ware County/City of Waycross Community Leaders.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Action Step #20: Conduct an annual Clean-up Event each year.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	+	N/A
Action Step #21: Develop and distribute Firewise informational packets realtors & insurance agents.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Action Step #22: Create and Exhibit a Wildfire Protection Display for the general public during several festivals in the county. The display can be independent or combined with the Georgia Forestry Commission display.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Action Step #23: Invite the Waycross News Media and area TV and Radio to community "Firewise" Functions for news coverage and regularly submit press releases documenting wildfire risk improvements in Ware County.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Action Step #24: Construct overpass to/from the Jamestown community in conjunction with Perimeter Road project, in order to speed evacuation if needed.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A

Worksheet #4 Evaluate Alternative Mitigation Actions

1. Fill in the goal and its corresponding objective. Use a separate worksheet for each objective. The considerations under each criterion are suggested ones to use; you can revise these to reflect your own considerations (see Table 2-1).
2. Fill in the alternative actions that address the specific objectives the planning team identified in Worksheet #1.
3. **Scoring:** For each consideration, indicate a plus (+) for favorable, and a negative (-) for less favorable.

When you complete the scoring; negatives will indicate gaps or shortcomings in the particular action, which can be noted in the Comments section. For considerations that do not apply, fill in N/A for not applicable. Only leave a blank if you do not know an answer. In this case, make a note in the Comments section of the "expert" or source to consult to help you evaluate the criterion.

Goal #1: Prevent or reduce damage caused by Drought in Ware County and in the City of Waycross.

Objective #1: Minimize losses to existing and future structures, especially Critical Facilities and Infrastructure, due to Drought.

Worksheet #4 Evaluate Alternative Mitigation Actions

1. Fill in the goal and its corresponding objective. Use a separate worksheet for each objective. The considerations under each criterion are suggested ones to use; you can revise these to reflect your own considerations (see Table 2-1).
2. Fill in the alternative actions that address the specific objectives the planning team identified in Worksheet #1.
3. **Scoring:** For each consideration, indicate a plus (+) for favorable, and a negative (-) for less favorable.

When you complete the scoring; negatives will indicate gaps or shortcomings in the particular action, which can be noted in the Comments section. For considerations that do not apply, fill in N/A for not applicable. Only leave a blank if you do not know an answer. In this case, make a note in the Comments section of the "expert" or source to consult to help you evaluate the criterion.

Goal #1: Prevent or reduce damage caused by Thunderstorms and Winds in Ware County and in the City of Waycross.

Objective #1: Minimize losses to existing and future structures, especially Critical Facilities and Infrastructure, due to Thunderstorms and Winds.

STAPLEE Criteria	S		T			A			P			L			E								
	(Social)		(Technical)			(Administrative)			(Political)			(Legal)			(Economic)				(Environmental)				
Considerations → for Alternative Actions ↓	Community Acceptance	Effect on Segment of Population	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance / Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land / Water	Effect on Endangered Species	Effect on HAZMAT / Waste Sites	Consistent with Community Environmental Goals	Consistent With Federal Laws
Action Step #1: Increase public awareness of weather radios, shelters, emergency procedures, and the use of a local radio station as the emergency broadcast system station in Ware County and in the City of Waycross through public safety announcements, publications, and other means.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Action Step #2: Plan to wind retrofit Critical Facilities, e.g., with storm windows, ballistic film, storm shutters, and/or hurricane doors, as funds become available to do so.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Action Step #3: Disseminate information to the public concerning wind ratings and champion new construction being built to those minimum wind standards, and champion the wind retrofitting of existing buildings in Ware County and the City of Waycross.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Action Step #4: Obtain mobile and fixed generators (including transfer switches) to provide back-up power where needed.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A

Worksheet #4 Evaluate Alternative Mitigation Actions

1. Fill in the goal and its corresponding objective. Use a separate worksheet for each objective. The considerations under each criterion are suggested ones to use; you can revise these to reflect your own considerations (see Table 2-1).
2. Fill in the alternative actions that address the specific objectives the planning team identified in Worksheet #1.
3. **Scoring:** For each consideration, indicate a plus (+) for favorable, and a negative (-) for less favorable.

When you complete the scoring; negatives will indicate gaps or shortcomings in the particular action, which can be noted in the Comments section. For considerations that do not apply, fill in N/A for not applicable. Only leave a blank if you do not know an answer. In this case, make a note in the Comments section of the "expert" or source to consult to help you evaluate the criterion.

Goal #1: Prevent or reduce damage caused by Floods in Ware County and in the City of Waycross.

Objective #1: Minimize losses to existing and future structures, especially Critical Facilities and Infrastructure, due to Floods.

Action Step #1: Conduct storm-water drainage replacement, repair & cleaning and maintain canals in Ware County and in the City of Waycross.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	+	N/A
Action Step #2: Plan and implement flood drainage projects in Waycross on Harrison Street (by Ava), Albany Avenue, Lee Avenue Railroad Underpass, Memorial Drive Railroad Underpass, on Gilmore Street, Brunel street, Hamilton Street, Isabella/Folks/Mary Street Park Area, and other flood-prone areas.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	+	N/A
Action Step #3: Plan flood and drainage projects in Ware County including Buck Corbitt Road, Mill Creek Road, Twelve Mile Post Road, Duncan Bridge Road, and other flood-prone areas.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	+	N/A
	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A

STAPLEE Criteria	S		T			A			P			L			E			E					
	(Social)		(Technical)			(Administrative)			(Political)			(Legal)			(Economic)			(Environmental)					
Considerations → for Alternative Actions ↓	Community Acceptance	Effect on Segment of Population	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance / Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land / Water	Effect on Endangered Species	Effect on HAZMAT / Waste Sites	Consistent with Community Environmental Goals	Consistent With Federal Laws
Action Step #7: Continue compliance with NFIP through review, adoption and updates to flood protection ordinances and maps, and work towards database to record depth of flooding in order to determine extent and possible damage.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	+	N/A
Action Step #8: Construct new regional retention/detention ponds where needed.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	+	N/A

Worksheet #4 Evaluate Alternative Mitigation Actions

1. Fill in the goal and its corresponding objective. Use a separate worksheet for each objective. The considerations under each criterion are suggested ones to use; you can revise these to reflect your own considerations (see Table 2-1).
2. Fill in the alternative actions that address the specific objectives the planning team identified in Worksheet #1.
3. **Scoring:** For each consideration, indicate a plus (+) for favorable, and a negative (-) for less favorable.

When you complete the scoring; negatives will indicate gaps or shortcomings in the particular action, which can be noted in the Comments section. For considerations that do not apply, fill in N/A for not applicable. Only leave a blank if you do not know an answer. In this case, make a note in the Comments section of the “expert” or source to consult to help you evaluate the criterion.

Goal #1: Prevent or reduce damage caused by Extreme Heat in Ware County and in the City of Waycross.

Objective #1: Minimize losses to existing and future structures, especially Critical Facilities and Infrastructure, and eliminate injury or death residents due to Extreme Heat.

STAPLEE Criteria	S		T			A			P			L			E								
	(Social)		(Technical)			(Administrative)			(Political)			(Legal)			(Economic)				(Environmental)				
Considerations → for Alternative Actions ↓	Community Acceptance	Effect on Segment of Population	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance / Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land / Water	Effect on Endangered Species	Effect on HAZMAT / Waste Sites	Consistent with Community Environmental Goals	Consistent With Federal Laws
Action Step #1: Identify locations for cooling stations and help set up & promote them during periods of Extreme Heat.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Action Step #2: Continue to identify and designate emergency shelters in consultation with appropriate organizations (Red Cross, Senior Citizen Centers, hospitals, churches, health department, etc.), and promote their use during extreme heat events.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A

Worksheet #4 Evaluate Alternative Mitigation Actions

1. Fill in the goal and its corresponding objective. Use a separate worksheet for each objective. The considerations under each criterion are suggested ones to use; you can revise these to reflect your own considerations (see Table 2-1).
2. Fill in the alternative actions that address the specific objectives the planning team identified in Worksheet #1.
3. **Scoring:** For each consideration, indicate a plus (+) for favorable, and a negative (-) for less favorable.

When you complete the scoring; negatives will indicate gaps or shortcomings in the particular action, which can be noted in the Comments section. For considerations that do not apply, fill in N/A for not applicable. Only leave a blank if you do not know an answer. In this case, make a note in the Comments section of the "expert" or source to consult to help you evaluate the criterion.

Goal #1: Prevent or reduce damage caused by Tornadoes in Ware County and in the City of Waycross.

Objective #1: Minimize losses to existing and future structures, especially Critical Facilities and Infrastructure, due to Tornadoes.

STAPLEE Criteria	S		T			A			P			L			E								
	(Social)		(Technical)			(Administrative)			(Political)			(Legal)			(Economic)				(Environmental)				
Considerations → for Alternative Actions ↓	Community Acceptance	Effect on Segment of Population	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance / Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land / Water	Effect on Endangered Species	Effect on HAZMAT / Waste Sites	Consistent with Community Environmental Goals	Consistent With Federal Laws
Action Step #1: Use building inspection program to inspect for adequate tie-downs on manufactured housing in Ware County and the City of Waycross.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Action Step #2: Plan for pre-disaster mitigation in Tornado & other hazard seasons by preparing public service announcements, brochures and solicit business participation in distributing information.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Action Step #3: Promote identification and designation of safe shelter rooms if available in Critical Facilities.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Action Step #4: Obtain mobile and fixed generators (including transfer switches) to provide back-up power where needed.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A

Worksheet #4 Evaluate Alternative Mitigation Actions

1. Fill in the goal and its corresponding objective. Use a separate worksheet for each objective. The considerations under each criterion are suggested ones to use; you can revise these to reflect your own considerations (see Table 2-1).

2. Fill in the alternative actions that address the specific objectives the planning team identified in Worksheet #1.

3. **Scoring:** For each consideration, indicate a plus (+) for favorable, and a negative (-) for less favorable.

When you complete the scoring; negatives will indicate gaps or shortcomings in the particular action, which can be noted in the Comments section. For considerations that do not apply, fill in N/A for not applicable. Only leave a blank if you do not know an answer. In this case, make a note in the Comments section of the "expert" or source to consult to help you evaluate the criterion.

Goal #1: Prevent or reduce damage caused by Hail in Ware County and in the City of Waycross.

Objective #1: Minimize losses to existing and future structures, especially Critical Facilities and Infrastructure, due to Hail.

STAPLEE Criteria	S		T			A			P			L			E								
	(Social)		(Technical)			(Administrative)			(Political)			(Legal)			(Economic)				(Environmental)				
Considerations → for Alternative Actions ↓	Community Acceptance	Effect on Segment of Population	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance / Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land / Water	Effect on Endangered Species	Effect on HAZMAT / Waste Sites	Consistent with Community Environmental Goals	Consistent With Federal Laws
Action Step #1: Install storm windows, ballistic film, storm shutters, and/or hurricane doors on new and existing Critical Facilities and encourage their installation on new and existing private buildings in Ware County and the City of Waycross.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Action Step #2: Encourage the public to include hail damage under insurance coverage and store equipment and vehicles under shelters in Ware County and the City of Waycross.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A

Worksheet #4 Evaluate Alternative Mitigation Actions

1. Fill in the goal and its corresponding objective. Use a separate worksheet for each objective. The considerations under each criterion are suggested ones to use; you can revise these to reflect your own considerations (see Table 2-1).
2. Fill in the alternative actions that address the specific objectives the planning team identified in Worksheet #1.
3. **Scoring:** For each consideration, indicate a plus (+) for favorable, and a negative (-) for less favorable.

When you complete the scoring; negatives will indicate gaps or shortcomings in the particular action, which can be noted in the Comments section. For considerations that do not apply, fill in N/A for not applicable. Only leave a blank if you do not know an answer. In this case, make a note in the Comments section of the "expert" or source to consult to help you evaluate the criterion.

Goal #1: Prevent or reduce damage caused by Hurricanes/Tropical Storms in Ware County and in the City of Waycross.

Objective #1: Minimize losses to existing and future structures, especially Critical Facilities and Infrastructure, and the public, due to Hurricanes/Tropical Storms.

STAPLEE Criteria	S		T			A			P			L			E								
	(Social)		(Technical)			(Administrative)			(Political)			(Legal)			(Economic)				(Environmental)				
Considerations → for Alternative Actions ↓	Community Acceptance	Effect on Segment of Population	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance / Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land / Water	Effect on Endangered Species	Effect on HAZMAT / Waste Sites	Consistent with Community Environmental Goals	Consistent With Federal Laws
Action Step #1: Encourage the design of new educational facilities to the level that they could be used as public shelters for emergency purposes; test current shelters and educational facilities for safety and effectiveness in Ware County and the City of Waycross.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Action Step #2: Work with GDOT to improve unsafe roads in Ware County and the City of Waycross that already are, or could be, evacuation routes.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A

Worksheet #4 Evaluate Alternative Mitigation Actions

1. Fill in the goal and its corresponding objective. Use a separate worksheet for each objective. The considerations under each criterion are suggested ones to use; you can revise these to reflect your own considerations (see Table 2-1).
2. Fill in the alternative actions that address the specific objectives the planning team identified in Worksheet #1.
3. **Scoring:** For each consideration, indicate a plus (+) for favorable, and a negative (-) for less favorable.

When you complete the scoring; negatives will indicate gaps or shortcomings in the particular action, which can be noted in the Comments section. For considerations that do not apply, fill in N/A for not applicable. Only leave a blank if you do not know an answer. In this case, make a note in the Comments section of the "expert" or source to consult to help you evaluate the criterion.

Goal #1: Prevent or reduce damage caused by Hurricanes/Tropical Storms in Ware County and in the City of Waycross.

Objective #2: Advise the public of health & safety precautions and procedures necessary during Hurricanes/Tropical Storms and other events and on pre-disaster mitigation, in general, in Ware County and in the City of Waycross.

Action Step #1: Acquire and distribute literature from state agencies regarding disaster health & safety issues in Ware County and the City of Waycross.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Action Step #2: Work with GDOT to acquire additional road signage for emergency traffic circulation and publish most efficient routes in advance.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Action Step #3: Distribute information concerning pre-disaster mitigation to area news markets and by speaking at schools and civic clubs in Ware County and the City of Waycross.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Action Step #4: Order electronic message boards for emergency purposes & evacuations.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A

Worksheet #4 Evaluate Alternative Mitigation Actions

1. Fill in the goal and its corresponding objective. Use a separate worksheet for each objective. The considerations under each criterion are suggested ones to use; you can revise these to reflect your own considerations (see Table 2-1).
2. Fill in the alternative actions that address the specific objectives the planning team identified in Worksheet #1.
3. **Scoring:** For each consideration, indicate a plus (+) for favorable, and a negative (-) for less favorable.

When you complete the scoring; negatives will indicate gaps or shortcomings in the particular action, which can be noted in the Comments section. For considerations that do not apply, fill in N/A for not applicable. Only leave a blank if you do not know an answer. In this case, make a note in the Comments section of the "expert" or source to consult to help you evaluate the criterion.

Goal #1: Prevent or reduce damage caused by Hurricanes/Tropical Storms in Ware County and in the City of Waycross.

Objective #3: Ensure reliable electrical power and communications efficiency at Critical Facilities and among agencies during Hurricanes/Tropical Storms and other events in Ware County and the City of Waycross.

STAPLEE Criteria	S		T			A			P			L			E								
	(Social)		(Technical)			(Administrative)			(Political)			(Legal)			(Economic)				(Environmental)				
Considerations → for Alternative Actions ↓	Community Acceptance	Effect on Segment of Population	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance / Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land / Water	Effect on Endangered Species	Effect on HAZMAT / Waste Sites	Consistent with Community Environmental Goals	Consistent With Federal Laws
Action Step #1: Purchase portable and fixed generators and trailers (including transfer switches) for use at Critical Facilities (serving entire populations) and pre-wire Critical Facilities for generator use in Ware County and the City of Waycross.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Action Step #2: Purchase communications equipment (radios, pagers, batteries and chargers) that have multi-channel capabilities and store them at certain Critical Facilities in Ware County and the City of Waycross.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Action Step #3: Purchase and install VHF networking system between City and County services.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Action Step #4: Continue and expand Emergency Notification System	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Action Step #5: Construct overpass to/from the Jamestown community in conjunction with Perimeter Road project, in order to speed evacuation if needed.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Action Step #6: Upgrade/enhance 911 capabilities to the most current technology.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A

Worksheet #4 Evaluate Alternative Mitigation Actions

1. Fill in the goal and its corresponding objective. Use a separate worksheet for each objective. The considerations under each criterion are suggested ones to use; you can revise these to reflect your own considerations (see Table 2-1).
2. Fill in the alternative actions that address the specific objectives the planning team identified in Worksheet #1.
3. **Scoring:** For each consideration, indicate a plus (+) for favorable, and a negative (-) for less favorable.

When you complete the scoring; negatives will indicate gaps or shortcomings in the particular action, which can be noted in the Comments section. For considerations that do not apply, fill in N/A for not applicable. Only leave a blank if you do not know an answer. In this case, make a note in the Comments section of the "expert" or source to consult to help you evaluate the criterion.

Goal #1: Prevent or reduce damage caused by Severe Winter Storms in Ware County and the City of Waycross.

Objective #1: Minimize losses to existing and future structures, especially Critical Facilities and Infrastructure, due to Severe Winter Storms.

STAPLEE Criteria	S		T			A			P			L			E								
	(Social)		(Technical)			(Administrative)			(Political)			(Legal)			(Economic)				(Environmental)				
Considerations → for Alternative Actions ↓	Community Acceptance	Effect on Segment of Population	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance / Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land / Water	Effect on Endangered Species	Effect on HAZMAT / Waste Sites	Consistent with Community Environmental Goals	Consistent With Federal Laws
Action Step #1: Continue the policy of wrapping exposed piping with insulation and installing new insulation layers at critical facilities in Ware County and the City of Waycross.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Action Step #2: Maintain temperatures above 32 degrees to prevent freezing in government owned occupied and unoccupied structures in Ware County and the City of Waycross.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Action Step #3: Disseminate information to the public concerning Severe Winter Storms, champion new construction being built to appropriate low temperature ratings and existing buildings being retrofitted in Ware County and in the City of Waycross.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A

Worksheet #4 Evaluate Alternative Mitigation Actions

1. Fill in the goal and its corresponding objective. Use a separate worksheet for each objective. The considerations under each criterion are suggested ones to use; you can revise these to reflect your own considerations (see Table 2-1).
2. Fill in the alternative actions that address the specific objectives the planning team identified in Worksheet #1.
3. **Scoring:** For each consideration, indicate a plus (+) for favorable, and a negative (-) for less favorable.

When you complete the scoring; negatives will indicate gaps or shortcomings in the particular action, which can be noted in the Comments section. For considerations that do not apply, fill in N/A for not applicable. Only leave a blank if you do not know an answer. In this case, make a note in the Comments section of the "expert" or source to consult to help you evaluate the criterion.

Goal #1: Protect the population of Ware County from the effects of a public health emergency.

Objective #1: Secure external sources of funding and training to help prepare for and respond to events.

STAPLEE Criteria	S		T			A			P			L			E								
	(Social)		(Technical)			(Administrative)			(Political)			(Legal)			(Economic)				(Environmental)				
Considerations → for Alternative Actions ↓	Community Acceptance	Effect on Segment of Population	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance / Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land / Water	Effect on Endangered Species	Effect on HAZMAT / Waste Sites	Consistent with Community Environmental Goals	Consistent With Federal Laws
Increase Immunization education, prevention and pre-planning efforts, particularly for the homeless and low-income individuals in the community, and host flu shot and other immunization clinics.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Identify vulnerable populations (homeless, migrants, low income, etc.) and identify community groups to work with in order to reach and educate these populations effectively regarding health issues.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A

STAPLEE Criteria	S		T			A			P			L			E								
	(Social)		(Technical)			(Administrative)			(Political)			(Legal)			(Economic)				(Environmental)				
Considerations → for Alternative Actions ↓	Community Acceptance	Effect on Segment of Population	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance / Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land / Water	Effect on Endangered Species	Effect on HAZMAT / Waste Sites	Consistent with Community Environmental Goals	Consistent With Federal Laws
Develop plan to identify community locations to obtain and distribute Water, Food, Ice, Tarps, medical countermeasures, etc.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Develop Local Emergency Planning Committee	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Approach large businesses about working with the EMA on developing public health emergency plans.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A

Worksheet #4 Evaluate Alternative Mitigation Actions

1. Fill in the goal and its corresponding objective. Use a separate worksheet for each objective. The considerations under each criterion are suggested ones to use; you can revise these to reflect your own considerations (see Table 2-1).
2. Fill in the alternative actions that address the specific objectives the planning team identified in Worksheet #1.
3. **Scoring:** For each consideration, indicate a plus (+) for favorable, and a negative (-) for less favorable.

When you complete the scoring; negatives will indicate gaps or shortcomings in the particular action, which can be noted in the Comments section. For considerations that do not apply, fill in N/A for not applicable. Only leave a blank if you do not know an answer. In this case, make a note in the Comments section of the "expert" or source to consult to help you evaluate the criterion.

Goal #1: Be prepared to respond appropriately to any foreseeable CBRNE hazard event.

Objective #1: Secure external sources of funding and training to help prepare for and respond to events.

STAPLEE Criteria	S		T			A			P			L			E								
	(Social)		(Technical)			(Administrative)			(Political)			(Legal)			(Economic)				(Environmental)				
Considerations → for Alternative Actions ↓	Community Acceptance	Effect on Segment of Population	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance / Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land / Water	Effect on Endangered Species	Effect on HAZMAT / Waste Sites	Consistent with Community Environmental Goals	Consistent With Federal Laws
Network with emergency personnel staff at state and federal levels to help identify the “full range” of CBRNE risks and local needs in preparation for the availability of outside funding.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Submit competitive applications to fund equipment/training needs when potential funding sources are identified in Ware County	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Develop a relationship with owners of hazardous materials storage (tires etc.) to educate/encourage them to develop a plan for hazardous events.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A

STAPLEE Criteria	S		T			A			P			L			E								
	(Social)		(Technical)			(Administrative)			(Political)			(Legal)			(Economic)				(Environmental)				
Considerations → for Alternative Actions ↓	Community Acceptance	Effect on Segment of Population	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance / Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land / Water	Effect on Endangered Species	Effect on HAZMAT / Waste Sites	Consistent with Community Environmental Goals	Consistent With Federal Laws
Annually review & update mutual aid agreements with neighboring jurisdictions	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Provide first responders, fire, EMS and law enforcement with the equipment needed to prepare for and respond to events	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A

Appendix E

**Southern Georgia Regional Commission
Ware County and the City of Waycross
Hazard Mitigation Plan Update – Kick-off Public Hearing
Date: December 7, 2021**

Name	Organization	Title	Email
Shelby Meyers	GEMA/HS	Hazard Mitigation Planning Specialist	Shelby.meyers@gema.ga.gov shelby.meyers@gema.ttc
NEIL SKERRATT	WARE S.O.	CAPTAIN (C.I.D.)	n.skerratt@ware-sheriff.com 912-287-4327 (Work)
JONATHAN DANIELL	WARE CO EMA	DIRECTOR	JDANIELL@WARECOUNTY.COM 912-281-5158
James Horton	SGRC	Planner	jhorton@sgrc.org 912-287-2937
DAVID E. EDDIS	Waycross Fire	Fire Chief	deddis@waycrossga.com 912-287-4454 - cell 912-550-5607
Perry Blackburn	Ware EMS	EMS Coordinator	pblackburn@warecounty.com 912-816-6063
Jesse Jordan	Blackburn ASTC	Director	jjordan@warecounty.com 912.287.4460
DEE MEADOWS	Ware Co Fire Rescue	FIRE CHIEF	dmeadows@warecounty.com

**Southern Georgia Regional Commission
Ware County and the City of Waycross
Hazard Mitigation Plan Update – Workshop 1
Date: February 8, 2022**

<u>Name</u>	<u>Organization</u>	<u>Title</u>	<u>Email</u>
Jamie Knudsen	City of Wayx	Animal Control Shelter Supervisor	jknudsen@waycrossga.com
James Smart	City of Waycross	Public Works Director Community Inp	jsmart@waycrossga.com
Marc Hawkins	City of Waycross	Director	mhawkins@waycrossga.com
GREG BURD	MEM. SATILLA HEALTH	EM. COOR.	gregory.burd@healthcare.com
Larry Thrift	City of Waycross	Public works	lthrift@waycrossga.com
JACKSON HOBBS	CITY OF WAYCROSS	PUBLIC WORKS	jhobbs@waycrossga.com
Kenneth P. Jones	City of Waycross	Waste Management WPD	Kjones@waycrossga.com
Benjamin Hersey	City of Waycross	Patrol Sect. Commander	bhersey@waycrossga.com
Trent Gibbs	City of Waycross	W.P. Special Operations	tgibbs@waycrossga.com
DEE MEADOWS	WARE CO FIRE RESCUE	FIRE CHIEF	dmeadows@warecounty.com

**Southern Georgia Regional Commission
Ware County and the City of Waycross
Hazard Mitigation Plan Update – Workshop 2
Date: March 8, 2022**

<u>Name</u>	<u>Organization</u>	<u>Title</u>	<u>Email</u>
JONATHAN DANIELL	WARE CO EMA	DIRECTOR	SDANIELL@WARECOUNTY.GA
Carl James	Sheriff's office	Sheriff	cjames@waresheriff.com
DEE MEADOWS	WCFR	CHIEF	dmeadows@warecounty.com
Perry Blackburn	Ware CO EMS	EMS Coordinator	pblackburn@warecounty.com
Bill Parham	Ware EMS	EMS Director	bparham@warecounty.com
JOSH PRALL	WPD	Lieutenant	Jprall@waycrossga.com
Casey Caswell	WPD	Lieutenant	ccaswell@waycrossga.com
DAVID E. EDDINS	Waycross Fire	Chief	deddins@waycrossga.com

**Southern Georgia Regional Commission
Ware County and the City of Waycross
Hazard Mitigation Plan Update – Workshop 3
Date: April 19, 2022**

<u>Name</u>	<u>Organization</u>	<u>Title</u>	<u>Email</u>
JONATHAN DANIELL	WARE CO EMA	DIRECTOR	JDANIELL@WARECOUNTY.COM
BRANDON WALLACE	WARE COUNTY	ENGINEER	bwallace@warecounty.com
James Smart	City of Waycross	Public Works	jsmart@waycrossga.com
JACKSON HOBBS	CITY OF WAYCROSS	Public Works	JHOBBS@WAYCROSSGA.COM
Benji Hersey	Waycross Police Dept.	Patrol Captain	bhersey@waycrossga.com
DAVID E. EDDIUS	Waycross Fire Dept.	Fire Chief	dreddius@waycrossga.com
NEIL SKERRATT	WARE COUNTY SHERIFF'S OFFICE	MAJOR OF ADMIN.	nskerrott@waresheriff.com
Carl James	Ware Co. Sheriff's office	Sheriff	Cjames@waresheriff.com
Michael Angelo James	City of Waycross	Mayor	majames@waycrossga.com
DEE MEADOWS	WARE COUNTY	FIRE CHIEF	dmeadows@warecounty.com

Appendix F

Storm Events Database

Search Results for Ware County, Georgia

Event Types: **Wildfire**

Ware county contains the following zones:

Ware, Northern Ware , Southern Ware

13 events were reported between 01/01/1950 and 12/31/2021 (26298 days)

Summary Info:

Number of County/Zone areas affected:	2
Number of Days with Event:	11
Number of Days with Event and Death:	0
Number of Days with Event and Death or Injury:	1
Number of Days with Event and Property Damage:	1
Number of Days with Event and Crop Damage:	0
Number of Event Types reported:	1

Column Definitions:

'Mag': Magnitude, 'Dth': Deaths, 'Inj': Injuries, 'PrD': Property Damage, 'CrD': Crop Damage

Click on **Location** below to display details.

Available Event Types have changed over time. Please refer to the [Database Details](#) for more information.

Sort By: ▼

<u>Location</u>	<u>County/Zone</u>	<u>St.</u>	<u>Date</u>	<u>Time</u>	<u>T.Z.</u>	<u>Type</u>	<u>Mag</u>	<u>Dth</u>	<u>Inj</u>	<u>PrD</u>	<u>CrD</u>
Totals:								0	3	21.700M	0.00K
WARE (ZONE)	WARE (ZONE)	GA	04/17/2007	12:00	EST-5	Wildfire		0	3	0.00K	0.00K
WARE (ZONE)	WARE (ZONE)	GA	05/01/2007	00:00	EST-5	Wildfire		0	0	21.700M	0.00K
WARE (ZONE)	WARE (ZONE)	GA	03/24/2011	15:27	EST-5	Wildfire		0	0	0.00K	0.00K
WARE (ZONE)	WARE (ZONE)	GA	04/28/2011	17:00	EST-5	Wildfire		0	0	0.00K	0.00K
WARE (ZONE)	WARE (ZONE)	GA	05/25/2011	19:00	EST-5	Wildfire		0	0	0.00K	0.00K
WARE (ZONE)	WARE (ZONE)	GA	06/01/2011	00:00	EST-5	Wildfire		0	0	0.00K	0.00K
WARE (ZONE)	WARE (ZONE)	GA	06/01/2011	00:00	EST-5	Wildfire		0	0	0.00K	0.00K
WARE (ZONE)	WARE (ZONE)	GA	07/01/2011	00:01	EST-5	Wildfire		0	0	0.00K	0.00K
WARE (ZONE)	WARE (ZONE)	GA	07/01/2011	00:01	EST-5	Wildfire		0	0	0.00K	0.00K
WARE (ZONE)	WARE (ZONE)	GA	09/13/2011	10:30	EST-5	Wildfire		0	0	0.00K	0.00K
WARE (ZONE)	WARE (ZONE)	GA	10/01/2011	00:01	EST-5	Wildfire		0	0	0.00K	0.00K
NORTHERN WARE (ZONE)	NORTHERN WARE (ZONE)	GA	05/18/2019	17:15	EST-5	Wildfire		0	0	0.00K	0.00K
NORTHERN WARE (ZONE)	NORTHERN WARE (ZONE)	GA	05/25/2021	21:29	EST-5	Wildfire		0	0	0.00K	0.00K
Totals:								0	3	21.700M	0.00K

Data Tables | U.S. Drought Monitor

Week	None	D0-D4	D1-D4	D2-D4	D3-D4	D4	DSCI
2022-10-11	97.82	2.18	0.00	0.00	0.00	0.00	2
2022-10-04	100.00	0.00	0.00	0.00	0.00	0.00	0
2022-09-27	100.00	0.00	0.00	0.00	0.00	0.00	0
2022-09-20	100.00	0.00	0.00	0.00	0.00	0.00	0
2022-09-13	100.00	0.00	0.00	0.00	0.00	0.00	0
2022-09-06	100.00	0.00	0.00	0.00	0.00	0.00	0
2022-08-30	100.00	0.00	0.00	0.00	0.00	0.00	0
2022-08-23	100.00	0.00	0.00	0.00	0.00	0.00	0
2022-08-16	85.33	14.67	0.00	0.00	0.00	0.00	15
2022-08-09	75.77	24.23	0.00	0.00	0.00	0.00	24
2022-08-02	100.00	0.00	0.00	0.00	0.00	0.00	0
2022-07-26	66.09	33.91	0.00	0.00	0.00	0.00	34
2022-07-19	66.09	33.91	0.00	0.00	0.00	0.00	34
2022-07-12	50.60	49.40	35.71	0.00	0.00	0.00	85
2022-07-05	15.55	84.45	35.71	0.00	0.00	0.00	120
2022-06-28	64.28	35.72	0.00	0.00	0.00	0.00	36
2022-06-21	93.47	6.53	0.00	0.00	0.00	0.00	7
2022-06-14	93.47	6.53	0.00	0.00	0.00	0.00	7
2022-06-07	94.13	5.87	0.00	0.00	0.00	0.00	6
2022-05-31	94.13	5.87	0.00	0.00	0.00	0.00	6
2022-05-24	94.13	5.87	0.00	0.00	0.00	0.00	6
2022-05-17	83.67	16.33	0.00	0.00	0.00	0.00	16
2022-05-10	83.67	16.33	0.00	0.00	0.00	0.00	16
2022-05-03	27.74	72.26	0.00	0.00	0.00	0.00	72
2022-04-26	83.35	16.65	0.00	0.00	0.00	0.00	17
2022-04-19	83.35	16.65	0.00	0.00	0.00	0.00	17
2022-04-12	83.35	16.65	0.00	0.00	0.00	0.00	17
2022-04-05	84.25	15.75	0.00	0.00	0.00	0.00	16
2022-03-29	71.59	28.41	13.83	0.00	0.00	0.00	42
2022-03-22	23.56	76.44	13.83	0.00	0.00	0.00	90
2022-03-15	11.99	88.01	76.44	0.00	0.00	0.00	164
2022-03-08	0.00	100.00	95.97	0.00	0.00	0.00	196
2022-03-01	0.00	100.00	0.00	0.00	0.00	0.00	100
2022-02-22	0.00	100.00	0.00	0.00	0.00	0.00	100
2022-02-15	0.00	100.00	0.00	0.00	0.00	0.00	100
2022-02-08	0.00	100.00	0.00	0.00	0.00	0.00	100
2022-02-01	61.62	38.38	0.00	0.00	0.00	0.00	38
2022-01-25	61.62	38.38	0.00	0.00	0.00	0.00	38
2022-01-18	61.33	38.67	0.00	0.00	0.00	0.00	39
2022-01-11	61.11	38.89	0.00	0.00	0.00	0.00	39
2022-01-04	100.00	0.00	0.00	0.00	0.00	0.00	0
2021-12-28	100.00	0.00	0.00	0.00	0.00	0.00	0
2021-12-21	100.00	0.00	0.00	0.00	0.00	0.00	0
2021-12-14	87.42	12.58	0.00	0.00	0.00	0.00	13

Week	None	D0-D4	D1-D4	D2-D4	D3-D4	D4	DSCI
2021-12-07	78.45	21.55	0.00	0.00	0.00	0.00	22
2021-11-30	100.00	0.00	0.00	0.00	0.00	0.00	0
2021-11-23	100.00	0.00	0.00	0.00	0.00	0.00	0
2021-11-16	100.00	0.00	0.00	0.00	0.00	0.00	0
2021-11-09	100.00	0.00	0.00	0.00	0.00	0.00	0
2021-11-02	100.00	0.00	0.00	0.00	0.00	0.00	0
2021-10-26	46.20	53.80	0.00	0.00	0.00	0.00	54
2021-10-19	100.00	0.00	0.00	0.00	0.00	0.00	0
2021-10-12	100.00	0.00	0.00	0.00	0.00	0.00	0
2021-10-05	100.00	0.00	0.00	0.00	0.00	0.00	0
2021-09-28	100.00	0.00	0.00	0.00	0.00	0.00	0
2021-09-21	100.00	0.00	0.00	0.00	0.00	0.00	0
2021-09-14	100.00	0.00	0.00	0.00	0.00	0.00	0
2021-09-07	100.00	0.00	0.00	0.00	0.00	0.00	0
2021-08-31	100.00	0.00	0.00	0.00	0.00	0.00	0
2021-08-24	100.00	0.00	0.00	0.00	0.00	0.00	0
2021-08-17	100.00	0.00	0.00	0.00	0.00	0.00	0
2021-08-10	100.00	0.00	0.00	0.00	0.00	0.00	0
2021-08-03	100.00	0.00	0.00	0.00	0.00	0.00	0
2021-07-27	100.00	0.00	0.00	0.00	0.00	0.00	0
2021-07-20	100.00	0.00	0.00	0.00	0.00	0.00	0
2021-07-13	100.00	0.00	0.00	0.00	0.00	0.00	0
2021-07-06	100.00	0.00	0.00	0.00	0.00	0.00	0
2021-06-29	100.00	0.00	0.00	0.00	0.00	0.00	0
2021-06-22	48.78	51.22	0.00	0.00	0.00	0.00	51
2021-06-15	37.32	62.68	0.00	0.00	0.00	0.00	63
2021-06-08	0.28	99.72	0.00	0.00	0.00	0.00	100
2021-06-01	94.99	5.01	0.00	0.00	0.00	0.00	5
2021-05-25	100.00	0.00	0.00	0.00	0.00	0.00	0
2021-05-18	100.00	0.00	0.00	0.00	0.00	0.00	0
2021-05-11	100.00	0.00	0.00	0.00	0.00	0.00	0
2021-05-04	100.00	0.00	0.00	0.00	0.00	0.00	0
2021-04-27	100.00	0.00	0.00	0.00	0.00	0.00	0
2021-04-20	100.00	0.00	0.00	0.00	0.00	0.00	0
2021-04-13	100.00	0.00	0.00	0.00	0.00	0.00	0
2021-04-06	100.00	0.00	0.00	0.00	0.00	0.00	0
2021-03-30	100.00	0.00	0.00	0.00	0.00	0.00	0
2021-03-23	100.00	0.00	0.00	0.00	0.00	0.00	0
2021-03-16	100.00	0.00	0.00	0.00	0.00	0.00	0
2021-03-09	100.00	0.00	0.00	0.00	0.00	0.00	0
2021-03-02	100.00	0.00	0.00	0.00	0.00	0.00	0
2021-02-23	100.00	0.00	0.00	0.00	0.00	0.00	0
2021-02-16	100.00	0.00	0.00	0.00	0.00	0.00	0
2021-02-09	64.18	35.82	0.00	0.00	0.00	0.00	36
2021-02-02	58.24	41.76	0.00	0.00	0.00	0.00	42
2021-01-26	58.24	41.76	0.00	0.00	0.00	0.00	42
2021-01-19	69.77	30.23	0.00	0.00	0.00	0.00	30

Week	None	D0-D4	D1-D4	D2-D4	D3-D4	D4	DSCI
2021-01-12	69.77	30.23	0.00	0.00	0.00	0.00	30
2021-01-05	69.77	30.23	0.00	0.00	0.00	0.00	30
2020-12-29	4.60	95.40	0.00	0.00	0.00	0.00	95
2020-12-22	4.60	95.40	0.00	0.00	0.00	0.00	95
2020-12-15	0.85	99.15	0.00	0.00	0.00	0.00	99
2020-12-08	0.85	99.15	0.00	0.00	0.00	0.00	99
2020-12-01	1.02	98.98	0.00	0.00	0.00	0.00	99
2020-11-24	1.02	98.98	0.00	0.00	0.00	0.00	99
2020-11-17	87.20	12.80	0.00	0.00	0.00	0.00	13
2020-11-10	87.08	12.92	0.00	0.00	0.00	0.00	13
2020-11-03	87.41	12.59	0.00	0.00	0.00	0.00	13
2020-10-27	94.21	5.79	0.00	0.00	0.00	0.00	6
2020-10-20	93.71	6.29	0.00	0.00	0.00	0.00	6
2020-10-13	100.00	0.00	0.00	0.00	0.00	0.00	0
2020-10-06	100.00	0.00	0.00	0.00	0.00	0.00	0
2020-09-29	100.00	0.00	0.00	0.00	0.00	0.00	0
2020-09-22	100.00	0.00	0.00	0.00	0.00	0.00	0
2020-09-15	97.43	2.57	0.00	0.00	0.00	0.00	3
2020-09-08	97.43	2.57	0.00	0.00	0.00	0.00	3
2020-09-01	100.00	0.00	0.00	0.00	0.00	0.00	0
2020-08-25	100.00	0.00	0.00	0.00	0.00	0.00	0
2020-08-18	100.00	0.00	0.00	0.00	0.00	0.00	0
2020-08-11	100.00	0.00	0.00	0.00	0.00	0.00	0
2020-08-04	100.00	0.00	0.00	0.00	0.00	0.00	0
2020-07-28	100.00	0.00	0.00	0.00	0.00	0.00	0
2020-07-21	100.00	0.00	0.00	0.00	0.00	0.00	0
2020-07-14	100.00	0.00	0.00	0.00	0.00	0.00	0
2020-07-07	100.00	0.00	0.00	0.00	0.00	0.00	0
2020-06-30	100.00	0.00	0.00	0.00	0.00	0.00	0
2020-06-23	100.00	0.00	0.00	0.00	0.00	0.00	0
2020-06-16	100.00	0.00	0.00	0.00	0.00	0.00	0
2020-06-09	100.00	0.00	0.00	0.00	0.00	0.00	0
2020-06-02	92.21	7.79	0.00	0.00	0.00	0.00	8
2020-05-26	92.21	7.79	0.00	0.00	0.00	0.00	8
2020-05-19	92.21	7.79	0.00	0.00	0.00	0.00	8
2020-05-12	100.00	0.00	0.00	0.00	0.00	0.00	0
2020-05-05	100.00	0.00	0.00	0.00	0.00	0.00	0
2020-04-28	100.00	0.00	0.00	0.00	0.00	0.00	0
2020-04-21	100.00	0.00	0.00	0.00	0.00	0.00	0
2020-04-14	31.98	68.02	0.00	0.00	0.00	0.00	68
2020-04-07	2.83	97.17	0.00	0.00	0.00	0.00	97
2020-03-31	35.63	64.37	0.00	0.00	0.00	0.00	64
2020-03-24	73.49	26.51	0.00	0.00	0.00	0.00	27
2020-03-17	100.00	0.00	0.00	0.00	0.00	0.00	0
2020-03-10	100.00	0.00	0.00	0.00	0.00	0.00	0
2020-03-03	100.00	0.00	0.00	0.00	0.00	0.00	0
2020-02-25	100.00	0.00	0.00	0.00	0.00	0.00	0

Week	None	D0-D4	D1-D4	D2-D4	D3-D4	D4	DSCI
2020-02-18	100.00	0.00	0.00	0.00	0.00	0.00	0
2020-02-11	100.00	0.00	0.00	0.00	0.00	0.00	0
2020-02-04	100.00	0.00	0.00	0.00	0.00	0.00	0
2020-01-28	100.00	0.00	0.00	0.00	0.00	0.00	0
2020-01-21	100.00	0.00	0.00	0.00	0.00	0.00	0
2020-01-14	100.00	0.00	0.00	0.00	0.00	0.00	0
2020-01-07	100.00	0.00	0.00	0.00	0.00	0.00	0
2019-12-31	100.00	0.00	0.00	0.00	0.00	0.00	0
2019-12-24	100.00	0.00	0.00	0.00	0.00	0.00	0
2019-12-17	46.54	53.46	0.00	0.00	0.00	0.00	53
2019-12-10	7.26	92.74	0.00	0.00	0.00	0.00	93
2019-12-03	7.26	92.74	0.00	0.00	0.00	0.00	93
2019-11-26	11.84	88.16	11.86	0.00	0.00	0.00	100
2019-11-19	6.14	93.86	34.21	0.00	0.00	0.00	128
2019-11-12	0.00	100.00	36.70	29.67	0.00	0.00	166
2019-11-05	0.00	100.00	100.00	36.96	0.00	0.00	237
2019-10-29	0.00	100.00	100.00	96.64	0.00	0.00	297
2019-10-22	0.00	100.00	100.00	96.64	0.00	0.00	297
2019-10-15	0.00	100.00	100.00	100.00	0.00	0.00	300
2019-10-08	0.00	100.00	100.00	28.98	0.00	0.00	229
2019-10-01	0.00	100.00	100.00	28.98	0.00	0.00	229
2019-09-24	0.00	100.00	100.00	0.00	0.00	0.00	200
2019-09-17	0.00	100.00	0.00	0.00	0.00	0.00	100
2019-09-10	97.03	2.97	0.00	0.00	0.00	0.00	3
2019-09-03	100.00	0.00	0.00	0.00	0.00	0.00	0
2019-08-27	100.00	0.00	0.00	0.00	0.00	0.00	0
2019-08-20	100.00	0.00	0.00	0.00	0.00	0.00	0
2019-08-13	100.00	0.00	0.00	0.00	0.00	0.00	0
2019-08-06	51.99	48.01	0.00	0.00	0.00	0.00	48
2019-07-30	82.41	17.59	0.00	0.00	0.00	0.00	18
2019-07-23	62.26	37.74	0.00	0.00	0.00	0.00	38
2019-07-16	30.21	69.79	0.00	0.00	0.00	0.00	70
2019-07-09	22.86	77.14	48.55	0.00	0.00	0.00	126
2019-07-02	0.00	100.00	76.29	0.00	0.00	0.00	176
2019-06-25	0.00	100.00	74.59	0.00	0.00	0.00	175
2019-06-18	0.00	100.00	100.00	74.59	0.00	0.00	275
2019-06-11	0.00	100.00	100.00	24.83	0.00	0.00	225
2019-06-04	0.00	100.00	100.00	1.60	0.00	0.00	202
2019-05-28	0.00	100.00	15.29	0.00	0.00	0.00	115
2019-05-21	0.00	100.00	0.62	0.00	0.00	0.00	101
2019-05-14	0.00	100.00	0.62	0.00	0.00	0.00	101
2019-05-07	0.00	100.00	0.00	0.00	0.00	0.00	100
2019-04-30	0.00	100.00	0.00	0.00	0.00	0.00	100
2019-04-23	0.00	100.00	0.00	0.00	0.00	0.00	100
2019-04-16	0.00	100.00	0.00	0.00	0.00	0.00	100
2019-04-09	0.00	100.00	0.00	0.00	0.00	0.00	100
2019-04-02	0.00	100.00	0.00	0.00	0.00	0.00	100

Week	None	D0-D4	D1-D4	D2-D4	D3-D4	D4	DSCI
2019-03-26	44.19	55.81	0.00	0.00	0.00	0.00	56
2019-03-19	44.19	55.81	0.00	0.00	0.00	0.00	56
2019-03-12	95.28	4.72	0.00	0.00	0.00	0.00	5
2019-03-05	100.00	0.00	0.00	0.00	0.00	0.00	0
2019-02-26	100.00	0.00	0.00	0.00	0.00	0.00	0
2019-02-19	100.00	0.00	0.00	0.00	0.00	0.00	0
2019-02-12	100.00	0.00	0.00	0.00	0.00	0.00	0
2019-02-05	100.00	0.00	0.00	0.00	0.00	0.00	0
2019-01-29	100.00	0.00	0.00	0.00	0.00	0.00	0
2019-01-22	100.00	0.00	0.00	0.00	0.00	0.00	0
2019-01-15	100.00	0.00	0.00	0.00	0.00	0.00	0
2019-01-08	100.00	0.00	0.00	0.00	0.00	0.00	0
2019-01-01	100.00	0.00	0.00	0.00	0.00	0.00	0
2018-12-25	100.00	0.00	0.00	0.00	0.00	0.00	0
2018-12-18	100.00	0.00	0.00	0.00	0.00	0.00	0
2018-12-11	100.00	0.00	0.00	0.00	0.00	0.00	0
2018-12-04	100.00	0.00	0.00	0.00	0.00	0.00	0
2018-11-27	51.38	48.62	0.00	0.00	0.00	0.00	49
2018-11-20	73.17	26.83	0.00	0.00	0.00	0.00	27
2018-11-13	21.75	78.25	0.00	0.00	0.00	0.00	78
2018-11-06	20.31	79.69	0.00	0.00	0.00	0.00	80
2018-10-30	0.65	99.35	0.00	0.00	0.00	0.00	99
2018-10-23	0.65	99.35	0.00	0.00	0.00	0.00	99
2018-10-16	94.83	5.17	0.00	0.00	0.00	0.00	5
2018-10-09	94.74	5.26	0.00	0.00	0.00	0.00	5
2018-10-02	94.98	5.02	0.00	0.00	0.00	0.00	5
2018-09-25	100.00	0.00	0.00	0.00	0.00	0.00	0
2018-09-18	100.00	0.00	0.00	0.00	0.00	0.00	0
2018-09-11	100.00	0.00	0.00	0.00	0.00	0.00	0
2018-09-04	100.00	0.00	0.00	0.00	0.00	0.00	0
2018-08-28	100.00	0.00	0.00	0.00	0.00	0.00	0
2018-08-21	100.00	0.00	0.00	0.00	0.00	0.00	0
2018-08-14	100.00	0.00	0.00	0.00	0.00	0.00	0
2018-08-07	100.00	0.00	0.00	0.00	0.00	0.00	0
2018-07-31	100.00	0.00	0.00	0.00	0.00	0.00	0
2018-07-24	100.00	0.00	0.00	0.00	0.00	0.00	0
2018-07-17	100.00	0.00	0.00	0.00	0.00	0.00	0
2018-07-10	100.00	0.00	0.00	0.00	0.00	0.00	0
2018-07-03	100.00	0.00	0.00	0.00	0.00	0.00	0
2018-06-26	100.00	0.00	0.00	0.00	0.00	0.00	0
2018-06-19	100.00	0.00	0.00	0.00	0.00	0.00	0
2018-06-12	100.00	0.00	0.00	0.00	0.00	0.00	0
2018-06-05	100.00	0.00	0.00	0.00	0.00	0.00	0
2018-05-29	100.00	0.00	0.00	0.00	0.00	0.00	0
2018-05-22	25.90	74.10	0.00	0.00	0.00	0.00	74
2018-05-15	0.59	99.41	87.99	62.41	0.00	0.00	250
2018-05-08	0.59	99.41	87.99	62.41	0.00	0.00	250

Week	None	D0-D4	D1-D4	D2-D4	D3-D4	D4	DSCI
2018-05-01	0.59	99.41	87.99	62.41	0.00	0.00	250
2018-04-24	0.00	100.00	87.99	62.41	0.00	0.00	250
2018-04-17	0.00	100.00	100.00	79.06	0.00	0.00	279
2018-04-10	0.00	100.00	100.00	79.06	0.00	0.00	279
2018-04-03	0.00	100.00	100.00	79.06	0.00	0.00	279
2018-03-27	0.00	100.00	100.00	50.43	0.00	0.00	250
2018-03-20	0.00	100.00	100.00	50.43	0.00	0.00	250
2018-03-13	0.00	100.00	75.32	29.42	0.00	0.00	205
2018-03-06	24.67	75.33	71.41	0.00	0.00	0.00	147
2018-02-27	25.76	74.24	67.82	0.00	0.00	0.00	142
2018-02-20	25.76	74.24	67.82	0.00	0.00	0.00	142
2018-02-13	25.76	74.24	67.82	0.00	0.00	0.00	142
2018-02-06	24.66	75.34	70.72	0.00	0.00	0.00	146
2018-01-30	0.00	100.00	72.49	0.00	0.00	0.00	172
2018-01-23	0.00	100.00	82.74	0.00	0.00	0.00	183
2018-01-16	9.94	90.06	73.82	0.00	0.00	0.00	164
2018-01-09	9.80	90.20	56.50	0.00	0.00	0.00	147
2018-01-02	7.38	92.62	75.03	0.00	0.00	0.00	168
2017-12-26	7.38	92.62	75.03	0.00	0.00	0.00	168
2017-12-19	7.38	92.62	64.45	0.00	0.00	0.00	157
2017-12-12	5.78	94.22	64.45	0.00	0.00	0.00	159
2017-12-05	0.00	100.00	26.82	0.00	0.00	0.00	127
2017-11-28	0.00	100.00	0.00	0.00	0.00	0.00	100
2017-11-21	0.00	100.00	0.00	0.00	0.00	0.00	100
2017-11-14	100.00	0.00	0.00	0.00	0.00	0.00	0
2017-11-07	100.00	0.00	0.00	0.00	0.00	0.00	0
2017-10-31	100.00	0.00	0.00	0.00	0.00	0.00	0
2017-10-24	100.00	0.00	0.00	0.00	0.00	0.00	0
2017-10-17	100.00	0.00	0.00	0.00	0.00	0.00	0
2017-10-10	100.00	0.00	0.00	0.00	0.00	0.00	0
2017-10-03	100.00	0.00	0.00	0.00	0.00	0.00	0
2017-09-26	100.00	0.00	0.00	0.00	0.00	0.00	0
2017-09-19	100.00	0.00	0.00	0.00	0.00	0.00	0
2017-09-12	100.00	0.00	0.00	0.00	0.00	0.00	0
2017-09-05	100.00	0.00	0.00	0.00	0.00	0.00	0
2017-08-29	100.00	0.00	0.00	0.00	0.00	0.00	0
2017-08-22	100.00	0.00	0.00	0.00	0.00	0.00	0
2017-08-15	100.00	0.00	0.00	0.00	0.00	0.00	0
2017-08-08	100.00	0.00	0.00	0.00	0.00	0.00	0
2017-08-01	100.00	0.00	0.00	0.00	0.00	0.00	0
2017-07-25	100.00	0.00	0.00	0.00	0.00	0.00	0
2017-07-18	100.00	0.00	0.00	0.00	0.00	0.00	0
2017-07-11	100.00	0.00	0.00	0.00	0.00	0.00	0
2017-07-04	100.00	0.00	0.00	0.00	0.00	0.00	0
2017-06-27	88.49	11.51	0.00	0.00	0.00	0.00	12
2017-06-20	76.51	23.49	0.00	0.00	0.00	0.00	23
2017-06-13	13.56	86.44	68.49	0.00	0.00	0.00	155

Week	None	D0-D4	D1-D4	D2-D4	D3-D4	D4	DSCI
2017-06-06	0.00	100.00	97.85	60.48	0.00	0.00	258
2017-05-30	0.00	100.00	100.00	97.22	0.00	0.00	297
2017-05-23	0.00	100.00	100.00	97.29	74.56	0.00	372
2017-05-16	0.00	100.00	100.00	97.30	74.56	0.00	372
2017-05-09	0.00	100.00	100.00	97.30	76.31	0.00	374
2017-05-02	0.00	100.00	100.00	97.30	0.00	0.00	297
2017-04-25	0.00	100.00	100.00	76.32	0.00	0.00	276
2017-04-18	0.00	100.00	100.00	26.81	0.00	0.00	227
2017-04-11	0.00	100.00	27.22	0.00	0.00	0.00	127
2017-04-04	0.00	100.00	0.00	0.00	0.00	0.00	100
2017-03-28	0.00	100.00	0.00	0.00	0.00	0.00	100
2017-03-21	73.13	26.87	0.00	0.00	0.00	0.00	27
2017-03-14	100.00	0.00	0.00	0.00	0.00	0.00	0
2017-03-07	100.00	0.00	0.00	0.00	0.00	0.00	0
2017-02-28	100.00	0.00	0.00	0.00	0.00	0.00	0
2017-02-21	100.00	0.00	0.00	0.00	0.00	0.00	0
2017-02-14	100.00	0.00	0.00	0.00	0.00	0.00	0
2017-02-07	100.00	0.00	0.00	0.00	0.00	0.00	0
2017-01-31	100.00	0.00	0.00	0.00	0.00	0.00	0
2017-01-24	100.00	0.00	0.00	0.00	0.00	0.00	0
2017-01-17	0.00	100.00	87.01	0.00	0.00	0.00	187
2017-01-10	0.00	100.00	87.01	0.00	0.00	0.00	187
2017-01-03	0.00	100.00	93.89	0.00	0.00	0.00	194
2016-12-27	0.00	100.00	93.89	0.00	0.00	0.00	194
2016-12-20	0.00	100.00	93.89	0.00	0.00	0.00	194
2016-12-13	0.00	100.00	81.96	0.00	0.00	0.00	182
2016-12-06	0.00	100.00	86.04	0.00	0.00	0.00	186
2016-11-29	0.00	100.00	84.54	0.00	0.00	0.00	185
2016-11-22	0.00	100.00	0.00	0.00	0.00	0.00	100
2016-11-15	18.64	81.36	0.00	0.00	0.00	0.00	81
2016-11-08	18.64	81.36	0.00	0.00	0.00	0.00	81
2016-11-01	100.00	0.00	0.00	0.00	0.00	0.00	0
2016-10-25	100.00	0.00	0.00	0.00	0.00	0.00	0
2016-10-18	100.00	0.00	0.00	0.00	0.00	0.00	0
2016-10-11	100.00	0.00	0.00	0.00	0.00	0.00	0
2016-10-04	100.00	0.00	0.00	0.00	0.00	0.00	0
2016-09-27	100.00	0.00	0.00	0.00	0.00	0.00	0
2016-09-20	100.00	0.00	0.00	0.00	0.00	0.00	0
2016-09-13	100.00	0.00	0.00	0.00	0.00	0.00	0
2016-09-06	100.00	0.00	0.00	0.00	0.00	0.00	0
2016-08-30	100.00	0.00	0.00	0.00	0.00	0.00	0
2016-08-23	100.00	0.00	0.00	0.00	0.00	0.00	0
2016-08-16	95.14	4.86	0.00	0.00	0.00	0.00	5
2016-08-09	95.14	4.86	0.00	0.00	0.00	0.00	5
2016-08-02	95.16	4.84	0.00	0.00	0.00	0.00	5
2016-07-26	99.94	0.06	0.00	0.00	0.00	0.00	0
2016-07-19	99.94	0.06	0.00	0.00	0.00	0.00	0

Week	None	D0-D4	D1-D4	D2-D4	D3-D4	D4	DSCI
2016-07-12	100.00	0.00	0.00	0.00	0.00	0.00	0
2016-07-05	100.00	0.00	0.00	0.00	0.00	0.00	0
2016-06-28	100.00	0.00	0.00	0.00	0.00	0.00	0
2016-06-21	100.00	0.00	0.00	0.00	0.00	0.00	0
2016-06-14	100.00	0.00	0.00	0.00	0.00	0.00	0
2016-06-07	100.00	0.00	0.00	0.00	0.00	0.00	0
2016-05-31	100.00	0.00	0.00	0.00	0.00	0.00	0
2016-05-24	100.00	0.00	0.00	0.00	0.00	0.00	0
2016-05-17	99.65	0.35	0.00	0.00	0.00	0.00	0
2016-05-10	99.65	0.35	0.00	0.00	0.00	0.00	0
2016-05-03	99.65	0.35	0.00	0.00	0.00	0.00	0
2016-04-26	99.65	0.35	0.00	0.00	0.00	0.00	0
2016-04-19	99.65	0.35	0.00	0.00	0.00	0.00	0
2016-04-12	99.65	0.35	0.00	0.00	0.00	0.00	0
2016-04-05	100.00	0.00	0.00	0.00	0.00	0.00	0
2016-03-29	42.55	57.45	0.00	0.00	0.00	0.00	57
2016-03-22	22.85	77.15	0.00	0.00	0.00	0.00	77
2016-03-15	22.85	77.15	0.00	0.00	0.00	0.00	77
2016-03-08	22.85	77.15	0.00	0.00	0.00	0.00	77
2016-03-01	60.27	39.73	0.00	0.00	0.00	0.00	40
2016-02-23	66.41	33.59	0.00	0.00	0.00	0.00	34
2016-02-16	66.41	33.59	0.00	0.00	0.00	0.00	34
2016-02-09	66.41	33.59	0.00	0.00	0.00	0.00	34
2016-02-02	11.83	88.17	0.00	0.00	0.00	0.00	88
2016-01-26	12.01	87.99	0.00	0.00	0.00	0.00	88
2016-01-19	12.01	87.99	0.00	0.00	0.00	0.00	88
2016-01-12	12.01	87.99	0.00	0.00	0.00	0.00	88
2016-01-05	12.01	87.99	0.00	0.00	0.00	0.00	88
2015-12-29	12.01	87.99	0.00	0.00	0.00	0.00	88
2015-12-22	0.00	100.00	0.00	0.00	0.00	0.00	100
2015-12-15	0.00	100.00	0.00	0.00	0.00	0.00	100
2015-12-08	0.00	100.00	0.00	0.00	0.00	0.00	100
2015-12-01	39.27	60.73	0.00	0.00	0.00	0.00	61
2015-11-24	38.98	61.02	0.00	0.00	0.00	0.00	61
2015-11-17	38.98	61.02	0.00	0.00	0.00	0.00	61
2015-11-10	86.01	13.99	0.00	0.00	0.00	0.00	14
2015-11-03	99.30	0.70	0.00	0.00	0.00	0.00	1
2015-10-27	99.30	0.70	0.00	0.00	0.00	0.00	1
2015-10-20	99.30	0.70	0.00	0.00	0.00	0.00	1
2015-10-13	99.30	0.70	0.00	0.00	0.00	0.00	1
2015-10-06	100.00	0.00	0.00	0.00	0.00	0.00	0
2015-09-29	100.00	0.00	0.00	0.00	0.00	0.00	0
2015-09-22	100.00	0.00	0.00	0.00	0.00	0.00	0
2015-09-15	100.00	0.00	0.00	0.00	0.00	0.00	0
2015-09-08	98.78	1.22	0.00	0.00	0.00	0.00	1
2015-09-01	31.92	68.08	0.27	0.00	0.00	0.00	68
2015-08-25	24.52	75.48	0.27	0.00	0.00	0.00	76

Week	None	D0-D4	D1-D4	D2-D4	D3-D4	D4	DSCI
2015-08-18	24.07	75.93	0.27	0.00	0.00	0.00	76
2015-08-11	4.22	95.78	0.27	0.00	0.00	0.00	96
2015-08-04	4.11	95.89	11.84	0.00	0.00	0.00	108
2015-07-28	4.10	95.90	75.10	0.00	0.00	0.00	171
2015-07-21	4.10	95.90	75.10	2.30	0.00	0.00	173
2015-07-14	4.10	95.90	75.11	2.30	0.00	0.00	173
2015-07-07	4.10	95.90	75.11	2.30	0.00	0.00	173
2015-06-30	4.10	95.90	75.11	2.30	0.00	0.00	173
2015-06-23	4.10	95.90	79.27	3.20	0.00	0.00	178
2015-06-16	4.10	95.90	54.62	0.00	0.00	0.00	151
2015-06-09	4.10	95.90	54.62	0.00	0.00	0.00	151
2015-06-02	0.03	99.97	68.52	0.00	0.00	0.00	168
2015-05-26	0.00	100.00	15.45	0.00	0.00	0.00	115
2015-05-19	0.00	100.00	0.00	0.00	0.00	0.00	100
2015-05-12	0.00	100.00	0.00	0.00	0.00	0.00	100
2015-05-05	62.43	37.57	0.00	0.00	0.00	0.00	38
2015-04-28	62.43	37.57	0.00	0.00	0.00	0.00	38
2015-04-21	98.74	1.26	0.00	0.00	0.00	0.00	1
2015-04-14	100.00	0.00	0.00	0.00	0.00	0.00	0
2015-04-07	100.00	0.00	0.00	0.00	0.00	0.00	0
2015-03-31	100.00	0.00	0.00	0.00	0.00	0.00	0
2015-03-24	100.00	0.00	0.00	0.00	0.00	0.00	0
2015-03-17	100.00	0.00	0.00	0.00	0.00	0.00	0
2015-03-10	100.00	0.00	0.00	0.00	0.00	0.00	0
2015-03-03	100.00	0.00	0.00	0.00	0.00	0.00	0
2015-02-24	100.00	0.00	0.00	0.00	0.00	0.00	0
2015-02-17	100.00	0.00	0.00	0.00	0.00	0.00	0
2015-02-10	100.00	0.00	0.00	0.00	0.00	0.00	0
2015-02-03	100.00	0.00	0.00	0.00	0.00	0.00	0
2015-01-27	100.00	0.00	0.00	0.00	0.00	0.00	0
2015-01-20	100.00	0.00	0.00	0.00	0.00	0.00	0
2015-01-13	100.00	0.00	0.00	0.00	0.00	0.00	0
2015-01-06	100.00	0.00	0.00	0.00	0.00	0.00	0
2014-12-30	100.00	0.00	0.00	0.00	0.00	0.00	0
2014-12-23	100.00	0.00	0.00	0.00	0.00	0.00	0
2014-12-16	100.00	0.00	0.00	0.00	0.00	0.00	0
2014-12-09	100.00	0.00	0.00	0.00	0.00	0.00	0
2014-12-02	100.00	0.00	0.00	0.00	0.00	0.00	0
2014-11-25	100.00	0.00	0.00	0.00	0.00	0.00	0
2014-11-18	57.39	42.61	0.00	0.00	0.00	0.00	43
2014-11-11	92.97	7.03	0.00	0.00	0.00	0.00	7
2014-11-04	92.97	7.03	0.00	0.00	0.00	0.00	7
2014-10-28	92.97	7.03	0.00	0.00	0.00	0.00	7
2014-10-21	92.97	7.03	0.00	0.00	0.00	0.00	7
2014-10-14	95.55	4.45	0.00	0.00	0.00	0.00	4
2014-10-07	95.73	4.27	0.00	0.00	0.00	0.00	4
2014-09-30	88.43	11.57	0.00	0.00	0.00	0.00	12

Week	None	D0-D4	D1-D4	D2-D4	D3-D4	D4	DSCI
2014-09-23	53.69	46.31	3.62	0.00	0.00	0.00	50
2014-09-16	18.15	81.85	6.16	0.11	0.00	0.00	88
2014-09-09	14.53	85.47	6.16	0.11	0.00	0.00	92
2014-09-02	0.00	100.00	68.23	2.41	0.00	0.00	171
2014-08-26	0.00	100.00	59.78	0.11	0.00	0.00	160
2014-08-19	0.00	100.00	0.54	0.07	0.00	0.00	101
2014-08-12	7.84	92.16	0.11	0.00	0.00	0.00	92
2014-08-05	7.84	92.16	0.11	0.00	0.00	0.00	92
2014-07-29	7.84	92.16	0.11	0.00	0.00	0.00	92
2014-07-22	88.43	11.57	0.00	0.00	0.00	0.00	12
2014-07-15	99.45	0.55	0.00	0.00	0.00	0.00	1
2014-07-08	100.00	0.00	0.00	0.00	0.00	0.00	0
2014-07-01	100.00	0.00	0.00	0.00	0.00	0.00	0
2014-06-24	100.00	0.00	0.00	0.00	0.00	0.00	0
2014-06-17	100.00	0.00	0.00	0.00	0.00	0.00	0
2014-06-10	100.00	0.00	0.00	0.00	0.00	0.00	0
2014-06-03	100.00	0.00	0.00	0.00	0.00	0.00	0
2014-05-27	100.00	0.00	0.00	0.00	0.00	0.00	0
2014-05-20	100.00	0.00	0.00	0.00	0.00	0.00	0
2014-05-13	100.00	0.00	0.00	0.00	0.00	0.00	0
2014-05-06	100.00	0.00	0.00	0.00	0.00	0.00	0
2014-04-29	100.00	0.00	0.00	0.00	0.00	0.00	0
2014-04-22	100.00	0.00	0.00	0.00	0.00	0.00	0
2014-04-15	100.00	0.00	0.00	0.00	0.00	0.00	0
2014-04-08	100.00	0.00	0.00	0.00	0.00	0.00	0
2014-04-01	99.97	0.03	0.00	0.00	0.00	0.00	0
2014-03-25	99.97	0.03	0.00	0.00	0.00	0.00	0
2014-03-18	99.97	0.03	0.00	0.00	0.00	0.00	0
2014-03-11	99.96	0.04	0.00	0.00	0.00	0.00	0
2014-03-04	100.00	0.00	0.00	0.00	0.00	0.00	0
2014-02-25	100.00	0.00	0.00	0.00	0.00	0.00	0
2014-02-18	100.00	0.00	0.00	0.00	0.00	0.00	0
2014-02-11	100.00	0.00	0.00	0.00	0.00	0.00	0
2014-02-04	100.00	0.00	0.00	0.00	0.00	0.00	0
2014-01-28	100.00	0.00	0.00	0.00	0.00	0.00	0
2014-01-21	100.00	0.00	0.00	0.00	0.00	0.00	0
2014-01-14	100.00	0.00	0.00	0.00	0.00	0.00	0
2014-01-07	68.67	31.33	0.00	0.00	0.00	0.00	31
2013-12-31	68.67	31.33	0.00	0.00	0.00	0.00	31
2013-12-24	0.43	99.57	0.00	0.00	0.00	0.00	100
2013-12-17	0.43	99.57	0.00	0.00	0.00	0.00	100
2013-12-10	0.43	99.57	0.00	0.00	0.00	0.00	100
2013-12-03	0.43	99.57	0.00	0.00	0.00	0.00	100
2013-11-26	0.43	99.57	0.00	0.00	0.00	0.00	100
2013-11-19	0.43	99.57	0.00	0.00	0.00	0.00	100
2013-11-12	0.43	99.57	0.00	0.00	0.00	0.00	100
2013-11-05	0.43	99.57	0.00	0.00	0.00	0.00	100

Week	None	D0-D4	D1-D4	D2-D4	D3-D4	D4	DSCI
2013-10-29	0.43	99.57	0.00	0.00	0.00	0.00	100
2013-10-22	1.61	98.39	0.00	0.00	0.00	0.00	98
2013-10-15	100.00	0.00	0.00	0.00	0.00	0.00	0
2013-10-08	100.00	0.00	0.00	0.00	0.00	0.00	0
2013-10-01	100.00	0.00	0.00	0.00	0.00	0.00	0
2013-09-24	100.00	0.00	0.00	0.00	0.00	0.00	0
2013-09-17	100.00	0.00	0.00	0.00	0.00	0.00	0
2013-09-10	100.00	0.00	0.00	0.00	0.00	0.00	0
2013-09-03	100.00	0.00	0.00	0.00	0.00	0.00	0
2013-08-27	100.00	0.00	0.00	0.00	0.00	0.00	0
2013-08-20	100.00	0.00	0.00	0.00	0.00	0.00	0
2013-08-13	100.00	0.00	0.00	0.00	0.00	0.00	0
2013-08-06	100.00	0.00	0.00	0.00	0.00	0.00	0
2013-07-30	100.00	0.00	0.00	0.00	0.00	0.00	0
2013-07-23	100.00	0.00	0.00	0.00	0.00	0.00	0
2013-07-16	100.00	0.00	0.00	0.00	0.00	0.00	0
2013-07-09	100.00	0.00	0.00	0.00	0.00	0.00	0
2013-07-02	100.00	0.00	0.00	0.00	0.00	0.00	0
2013-06-25	100.00	0.00	0.00	0.00	0.00	0.00	0
2013-06-18	100.00	0.00	0.00	0.00	0.00	0.00	0
2013-06-11	100.00	0.00	0.00	0.00	0.00	0.00	0
2013-06-04	100.00	0.00	0.00	0.00	0.00	0.00	0
2013-05-28	100.00	0.00	0.00	0.00	0.00	0.00	0
2013-05-21	100.00	0.00	0.00	0.00	0.00	0.00	0
2013-05-14	100.00	0.00	0.00	0.00	0.00	0.00	0
2013-05-07	100.00	0.00	0.00	0.00	0.00	0.00	0
2013-04-30	100.00	0.00	0.00	0.00	0.00	0.00	0
2013-04-23	100.00	0.00	0.00	0.00	0.00	0.00	0
2013-04-16	100.00	0.00	0.00	0.00	0.00	0.00	0
2013-04-09	85.43	14.57	0.00	0.00	0.00	0.00	15
2013-04-02	53.93	46.07	4.32	0.00	0.00	0.00	50
2013-03-26	53.93	46.07	4.32	0.00	0.00	0.00	50
2013-03-19	0.00	100.00	49.33	5.88	0.00	0.00	155
2013-03-12	0.00	100.00	49.33	5.88	0.00	0.00	155
2013-03-05	0.00	100.00	49.33	5.88	0.00	0.00	155
2013-02-26	0.00	100.00	72.42	39.73	0.00	0.00	212
2013-02-19	0.00	100.00	100.00	100.00	39.72	0.00	340
2013-02-12	0.00	100.00	100.00	100.00	0.00	0.00	300
2013-02-05	0.00	100.00	100.00	100.00	0.00	0.00	300
2013-01-29	0.00	100.00	100.00	100.00	0.00	0.00	300
2013-01-22	0.00	100.00	100.00	0.00	0.00	0.00	200
2013-01-15	0.00	100.00	100.00	0.00	0.00	0.00	200
2013-01-08	0.00	100.00	65.17	0.00	0.00	0.00	165
2013-01-01	0.00	100.00	65.17	0.00	0.00	0.00	165
2012-12-25	0.00	100.00	65.17	0.00	0.00	0.00	165
2012-12-18	31.30	68.70	46.55	0.00	0.00	0.00	115
2012-12-11	31.30	68.70	46.55	0.00	0.00	0.00	115

Week	None	D0-D4	D1-D4	D2-D4	D3-D4	D4	DSCI
2012-12-04	30.42	69.58	46.55	0.00	0.00	0.00	116
2012-11-27	30.42	69.58	46.99	0.00	0.00	0.00	117
2012-11-20	30.42	69.58	0.00	0.00	0.00	0.00	70
2012-11-13	46.60	53.40	0.00	0.00	0.00	0.00	53
2012-11-06	56.53	43.47	0.00	0.00	0.00	0.00	43
2012-10-30	74.30	25.70	0.00	0.00	0.00	0.00	26
2012-10-23	100.00	0.00	0.00	0.00	0.00	0.00	0
2012-10-16	100.00	0.00	0.00	0.00	0.00	0.00	0
2012-10-09	100.00	0.00	0.00	0.00	0.00	0.00	0
2012-10-02	100.00	0.00	0.00	0.00	0.00	0.00	0
2012-09-25	100.00	0.00	0.00	0.00	0.00	0.00	0
2012-09-18	100.00	0.00	0.00	0.00	0.00	0.00	0
2012-09-11	100.00	0.00	0.00	0.00	0.00	0.00	0
2012-09-04	100.00	0.00	0.00	0.00	0.00	0.00	0
2012-08-28	100.00	0.00	0.00	0.00	0.00	0.00	0
2012-08-21	100.00	0.00	0.00	0.00	0.00	0.00	0
2012-08-14	100.00	0.00	0.00	0.00	0.00	0.00	0
2012-08-07	100.00	0.00	0.00	0.00	0.00	0.00	0
2012-07-31	100.00	0.00	0.00	0.00	0.00	0.00	0
2012-07-24	100.00	0.00	0.00	0.00	0.00	0.00	0
2012-07-17	100.00	0.00	0.00	0.00	0.00	0.00	0
2012-07-10	100.00	0.00	0.00	0.00	0.00	0.00	0
2012-07-03	100.00	0.00	0.00	0.00	0.00	0.00	0
2012-06-26	100.00	0.00	0.00	0.00	0.00	0.00	0
2012-06-19	37.90	62.10	21.29	0.00	0.00	0.00	83
2012-06-12	0.00	100.00	59.03	10.69	0.00	0.00	170
2012-06-05	0.00	100.00	100.00	38.46	0.71	0.00	239
2012-05-29	0.00	100.00	100.00	96.22	10.63	0.00	307
2012-05-22	0.00	100.00	100.00	100.00	99.67	6.00	406
2012-05-15	0.00	100.00	100.00	100.00	99.67	6.00	406
2012-05-08	0.00	100.00	100.00	100.00	99.67	6.00	406
2012-05-01	0.00	100.00	100.00	100.00	99.67	6.09	406
2012-04-24	0.00	100.00	100.00	100.00	99.86	6.09	406
2012-04-17	0.00	100.00	100.00	100.00	99.86	6.09	406
2012-04-10	0.00	100.00	100.00	100.00	99.87	6.09	406
2012-04-03	0.00	100.00	100.00	100.00	99.87	0.00	400
2012-03-27	0.00	100.00	100.00	100.00	99.87	0.00	400
2012-03-20	0.00	100.00	100.00	100.00	99.87	0.00	400
2012-03-13	0.00	100.00	100.00	100.00	99.87	0.00	400
2012-03-06	0.00	100.00	100.00	100.00	99.87	0.00	400
2012-02-28	0.00	100.00	100.00	100.00	100.00	79.63	480
2012-02-21	0.00	100.00	100.00	100.00	100.00	79.63	480
2012-02-14	0.00	100.00	100.00	100.00	100.00	79.63	480
2012-02-07	0.00	100.00	100.00	100.00	100.00	79.63	480
2012-01-31	0.00	100.00	100.00	100.00	79.51	18.97	398
2012-01-24	0.00	100.00	100.00	100.00	79.51	0.00	380
2012-01-17	0.00	100.00	100.00	100.00	79.51	0.00	380

Week	None	D0-D4	D1-D4	D2-D4	D3-D4	D4	DSCI
2012-01-10	0.00	100.00	100.00	80.04	36.46	0.00	317
2012-01-03	0.00	100.00	100.00	80.04	36.46	0.00	317
2011-12-27	0.00	100.00	100.00	80.04	36.46	0.00	317
2011-12-20	0.00	100.00	100.00	80.04	36.46	0.00	317
2011-12-13	0.00	100.00	100.00	80.04	24.63	0.00	305
2011-12-06	0.00	100.00	100.00	80.04	24.63	0.00	305
2011-11-29	0.00	100.00	100.00	80.04	24.63	0.00	305
2011-11-22	0.00	100.00	100.00	87.56	60.99	0.00	349
2011-11-15	0.00	100.00	100.00	87.56	60.99	0.00	349
2011-11-08	0.00	100.00	100.00	86.59	59.58	0.00	346
2011-11-01	0.00	100.00	100.00	86.59	59.58	0.00	346
2011-10-25	0.00	100.00	100.00	86.59	59.58	0.00	346
2011-10-18	0.00	100.00	100.00	86.59	59.58	0.00	346
2011-10-11	0.00	100.00	100.00	86.59	76.03	0.00	363
2011-10-04	0.00	100.00	100.00	100.00	79.64	0.00	380
2011-09-27	0.00	100.00	100.00	100.00	81.28	0.00	381
2011-09-20	0.00	100.00	100.00	100.00	81.28	0.00	381
2011-09-13	0.00	100.00	100.00	100.00	96.08	0.00	396
2011-09-06	0.00	100.00	100.00	100.00	96.08	0.00	396
2011-08-30	0.00	100.00	100.00	100.00	95.86	0.00	396
2011-08-23	0.00	100.00	100.00	100.00	28.67	0.00	329
2011-08-16	0.00	100.00	100.00	100.00	28.67	0.00	329
2011-08-09	0.00	100.00	100.00	100.00	100.00	0.00	400
2011-08-02	0.00	100.00	100.00	100.00	100.00	0.00	400
2011-07-26	0.00	100.00	100.00	100.00	100.00	0.00	400
2011-07-19	0.00	100.00	100.00	100.00	100.00	0.00	400
2011-07-12	0.00	100.00	100.00	100.00	100.00	44.48	444
2011-07-05	0.00	100.00	100.00	100.00	100.00	83.52	484
2011-06-28	0.00	100.00	100.00	100.00	100.00	83.52	484
2011-06-21	0.00	100.00	100.00	100.00	100.00	83.52	484
2011-06-14	0.00	100.00	100.00	100.00	96.92	0.00	397
2011-06-07	0.00	100.00	100.00	100.00	93.99	0.00	394
2011-05-31	0.00	100.00	100.00	100.00	93.67	0.00	394
2011-05-24	0.00	100.00	100.00	100.00	86.74	0.00	387
2011-05-17	0.00	100.00	100.00	100.00	86.74	0.00	387
2011-05-10	0.00	100.00	100.00	100.00	86.74	0.00	387
2011-05-03	0.00	100.00	100.00	100.00	0.00	0.00	300
2011-04-26	0.00	100.00	100.00	100.00	0.00	0.00	300
2011-04-19	0.00	100.00	100.00	100.00	0.00	0.00	300
2011-04-12	0.00	100.00	100.00	100.00	58.02	0.00	358
2011-04-05	0.00	100.00	100.00	100.00	58.02	0.00	358
2011-03-29	0.00	100.00	100.00	100.00	99.88	0.00	400
2011-03-22	0.00	100.00	100.00	100.00	33.75	0.00	334
2011-03-15	0.00	100.00	100.00	100.00	33.75	0.00	334
2011-03-08	0.00	100.00	100.00	100.00	33.75	0.00	334
2011-03-01	0.00	100.00	100.00	100.00	33.75	0.00	334
2011-02-22	0.00	100.00	100.00	100.00	33.75	0.00	334

Week	None	D0-D4	D1-D4	D2-D4	D3-D4	D4	DSCI
2011-02-15	0.00	100.00	100.00	100.00	33.75	0.00	334
2011-02-08	0.00	100.00	100.00	100.00	33.75	0.00	334
2011-02-01	0.00	100.00	100.00	100.00	33.75	0.00	334
2011-01-25	0.00	100.00	100.00	100.00	33.75	0.00	334
2011-01-18	0.00	100.00	100.00	100.00	33.75	0.00	334
2011-01-11	0.00	100.00	100.00	100.00	33.75	0.00	334
2011-01-04	0.00	100.00	100.00	100.00	33.75	0.00	334
2010-12-28	0.00	100.00	100.00	100.00	33.75	0.00	334
2010-12-21	0.00	100.00	100.00	100.00	44.84	0.00	345
2010-12-14	0.00	100.00	100.00	100.00	51.02	0.00	351
2010-12-07	0.00	100.00	100.00	100.00	33.68	0.00	334
2010-11-30	0.00	100.00	100.00	100.00	0.00	0.00	300
2010-11-23	0.00	100.00	100.00	100.00	0.00	0.00	300
2010-11-16	0.00	100.00	100.00	100.00	0.00	0.00	300
2010-11-09	0.00	100.00	100.00	100.00	0.00	0.00	300
2010-11-02	0.00	100.00	100.00	100.00	0.00	0.00	300
2010-10-26	0.00	100.00	100.00	89.61	0.00	0.00	290
2010-10-19	0.00	100.00	100.00	89.61	0.00	0.00	290
2010-10-12	0.00	100.00	100.00	74.48	0.00	0.00	274
2010-10-05	0.00	100.00	100.00	74.48	0.00	0.00	274
2010-09-28	0.00	100.00	100.00	74.48	0.00	0.00	274
2010-09-21	0.00	100.00	100.00	0.00	0.00	0.00	200
2010-09-14	0.00	100.00	100.00	0.00	0.00	0.00	200
2010-09-07	0.00	100.00	0.00	0.00	0.00	0.00	100
2010-08-31	0.00	100.00	0.00	0.00	0.00	0.00	100
2010-08-24	0.00	100.00	0.00	0.00	0.00	0.00	100
2010-08-17	0.00	100.00	0.00	0.00	0.00	0.00	100
2010-08-10	12.74	87.26	0.00	0.00	0.00	0.00	87
2010-08-03	98.50	1.50	0.00	0.00	0.00	0.00	2
2010-07-27	98.50	1.50	0.00	0.00	0.00	0.00	2
2010-07-20	99.59	0.41	0.00	0.00	0.00	0.00	0
2010-07-13	100.00	0.00	0.00	0.00	0.00	0.00	0
2010-07-06	100.00	0.00	0.00	0.00	0.00	0.00	0
2010-06-29	100.00	0.00	0.00	0.00	0.00	0.00	0
2010-06-22	100.00	0.00	0.00	0.00	0.00	0.00	0
2010-06-15	100.00	0.00	0.00	0.00	0.00	0.00	0
2010-06-08	100.00	0.00	0.00	0.00	0.00	0.00	0
2010-06-01	100.00	0.00	0.00	0.00	0.00	0.00	0
2010-05-25	100.00	0.00	0.00	0.00	0.00	0.00	0
2010-05-18	100.00	0.00	0.00	0.00	0.00	0.00	0
2010-05-11	100.00	0.00	0.00	0.00	0.00	0.00	0
2010-05-04	100.00	0.00	0.00	0.00	0.00	0.00	0
2010-04-27	100.00	0.00	0.00	0.00	0.00	0.00	0
2010-04-20	100.00	0.00	0.00	0.00	0.00	0.00	0
2010-04-13	100.00	0.00	0.00	0.00	0.00	0.00	0
2010-04-06	100.00	0.00	0.00	0.00	0.00	0.00	0
2010-03-30	100.00	0.00	0.00	0.00	0.00	0.00	0

Week	None	D0-D4	D1-D4	D2-D4	D3-D4	D4	DSCI
2010-03-23	100.00	0.00	0.00	0.00	0.00	0.00	0
2010-03-16	100.00	0.00	0.00	0.00	0.00	0.00	0
2010-03-09	100.00	0.00	0.00	0.00	0.00	0.00	0
2010-03-02	100.00	0.00	0.00	0.00	0.00	0.00	0
2010-02-23	100.00	0.00	0.00	0.00	0.00	0.00	0
2010-02-16	100.00	0.00	0.00	0.00	0.00	0.00	0
2010-02-09	100.00	0.00	0.00	0.00	0.00	0.00	0
2010-02-02	100.00	0.00	0.00	0.00	0.00	0.00	0
2010-01-26	100.00	0.00	0.00	0.00	0.00	0.00	0
2010-01-19	100.00	0.00	0.00	0.00	0.00	0.00	0
2010-01-12	100.00	0.00	0.00	0.00	0.00	0.00	0
2010-01-05	100.00	0.00	0.00	0.00	0.00	0.00	0
2009-12-29	100.00	0.00	0.00	0.00	0.00	0.00	0
2009-12-22	100.00	0.00	0.00	0.00	0.00	0.00	0
2009-12-15	100.00	0.00	0.00	0.00	0.00	0.00	0
2009-12-08	100.00	0.00	0.00	0.00	0.00	0.00	0
2009-12-01	75.37	24.63	0.00	0.00	0.00	0.00	25
2009-11-24	76.09	23.91	0.00	0.00	0.00	0.00	24
2009-11-17	76.09	23.91	0.00	0.00	0.00	0.00	24
2009-11-10	76.09	23.91	0.00	0.00	0.00	0.00	24
2009-11-03	76.09	23.91	0.00	0.00	0.00	0.00	24
2009-10-27	76.09	23.91	0.00	0.00	0.00	0.00	24
2009-10-20	76.09	23.91	0.00	0.00	0.00	0.00	24
2009-10-13	3.88	96.12	0.00	0.00	0.00	0.00	96
2009-10-06	100.00	0.00	0.00	0.00	0.00	0.00	0
2009-09-29	100.00	0.00	0.00	0.00	0.00	0.00	0
2009-09-22	100.00	0.00	0.00	0.00	0.00	0.00	0
2009-09-15	100.00	0.00	0.00	0.00	0.00	0.00	0
2009-09-08	100.00	0.00	0.00	0.00	0.00	0.00	0
2009-09-01	100.00	0.00	0.00	0.00	0.00	0.00	0
2009-08-25	100.00	0.00	0.00	0.00	0.00	0.00	0
2009-08-18	100.00	0.00	0.00	0.00	0.00	0.00	0
2009-08-11	100.00	0.00	0.00	0.00	0.00	0.00	0
2009-08-04	100.00	0.00	0.00	0.00	0.00	0.00	0
2009-07-28	100.00	0.00	0.00	0.00	0.00	0.00	0
2009-07-21	100.00	0.00	0.00	0.00	0.00	0.00	0
2009-07-14	100.00	0.00	0.00	0.00	0.00	0.00	0
2009-07-07	100.00	0.00	0.00	0.00	0.00	0.00	0
2009-06-30	100.00	0.00	0.00	0.00	0.00	0.00	0
2009-06-23	100.00	0.00	0.00	0.00	0.00	0.00	0
2009-06-16	100.00	0.00	0.00	0.00	0.00	0.00	0
2009-06-09	100.00	0.00	0.00	0.00	0.00	0.00	0
2009-06-02	100.00	0.00	0.00	0.00	0.00	0.00	0
2009-05-26	100.00	0.00	0.00	0.00	0.00	0.00	0
2009-05-19	100.00	0.00	0.00	0.00	0.00	0.00	0
2009-05-12	100.00	0.00	0.00	0.00	0.00	0.00	0
2009-05-05	100.00	0.00	0.00	0.00	0.00	0.00	0

Week	None	D0-D4	D1-D4	D2-D4	D3-D4	D4	DSCI
2009-04-28	100.00	0.00	0.00	0.00	0.00	0.00	0
2009-04-21	100.00	0.00	0.00	0.00	0.00	0.00	0
2009-04-14	100.00	0.00	0.00	0.00	0.00	0.00	0
2009-04-07	100.00	0.00	0.00	0.00	0.00	0.00	0
2009-03-31	0.00	100.00	64.41	0.00	0.00	0.00	164
2009-03-24	0.00	100.00	98.53	0.00	0.00	0.00	199
2009-03-17	0.00	100.00	98.53	0.00	0.00	0.00	199
2009-03-10	0.00	100.00	98.53	0.00	0.00	0.00	199
2009-03-03	0.00	100.00	98.53	0.00	0.00	0.00	199
2009-02-24	0.00	100.00	98.53	0.00	0.00	0.00	199
2009-02-17	0.00	100.00	60.83	0.00	0.00	0.00	161
2009-02-10	11.32	88.68	0.00	0.00	0.00	0.00	89
2009-02-03	100.00	0.00	0.00	0.00	0.00	0.00	0
2009-01-27	100.00	0.00	0.00	0.00	0.00	0.00	0
2009-01-20	100.00	0.00	0.00	0.00	0.00	0.00	0
2009-01-13	100.00	0.00	0.00	0.00	0.00	0.00	0
2009-01-06	100.00	0.00	0.00	0.00	0.00	0.00	0
2008-12-30	100.00	0.00	0.00	0.00	0.00	0.00	0
2008-12-23	100.00	0.00	0.00	0.00	0.00	0.00	0
2008-12-16	100.00	0.00	0.00	0.00	0.00	0.00	0
2008-12-09	100.00	0.00	0.00	0.00	0.00	0.00	0
2008-12-02	100.00	0.00	0.00	0.00	0.00	0.00	0
2008-11-25	35.51	64.49	0.00	0.00	0.00	0.00	64
2008-11-18	35.51	64.49	0.00	0.00	0.00	0.00	64
2008-11-11	35.51	64.49	0.00	0.00	0.00	0.00	64
2008-11-04	35.51	64.49	0.00	0.00	0.00	0.00	64
2008-10-28	35.51	64.49	0.00	0.00	0.00	0.00	64
2008-10-21	25.45	74.55	63.87	0.00	0.00	0.00	138
2008-10-14	25.30	74.70	63.81	0.00	0.00	0.00	139
2008-10-07	3.39	96.61	62.62	0.00	0.00	0.00	159
2008-09-30	3.39	96.61	62.62	0.00	0.00	0.00	159
2008-09-23	36.36	63.64	0.00	0.00	0.00	0.00	64
2008-09-16	36.36	63.64	0.00	0.00	0.00	0.00	64
2008-09-09	36.36	63.64	0.00	0.00	0.00	0.00	64
2008-09-02	36.36	63.64	0.00	0.00	0.00	0.00	64
2008-08-26	36.36	63.64	0.00	0.00	0.00	0.00	64
2008-08-19	0.00	100.00	82.84	35.05	0.00	0.00	218
2008-08-12	0.00	100.00	82.84	35.05	0.00	0.00	218
2008-08-05	0.00	100.00	36.02	0.00	0.00	0.00	136
2008-07-29	0.00	100.00	36.02	0.00	0.00	0.00	136
2008-07-22	0.00	100.00	36.02	0.00	0.00	0.00	136
2008-07-15	0.00	100.00	0.00	0.00	0.00	0.00	100
2008-07-08	75.84	24.16	0.00	0.00	0.00	0.00	24
2008-07-01	75.84	24.16	0.00	0.00	0.00	0.00	24
2008-06-24	75.84	24.16	0.00	0.00	0.00	0.00	24
2008-06-17	87.60	12.40	0.00	0.00	0.00	0.00	12
2008-06-10	59.87	40.13	0.00	0.00	0.00	0.00	40

Week	None	D0-D4	D1-D4	D2-D4	D3-D4	D4	DSCI
2008-06-03	59.87	40.13	0.00	0.00	0.00	0.00	40
2008-05-27	81.33	18.67	0.00	0.00	0.00	0.00	19
2008-05-20	81.33	18.67	0.00	0.00	0.00	0.00	19
2008-05-13	100.00	0.00	0.00	0.00	0.00	0.00	0
2008-05-06	89.95	10.05	0.00	0.00	0.00	0.00	10
2008-04-29	89.95	10.05	0.00	0.00	0.00	0.00	10
2008-04-22	89.95	10.05	0.00	0.00	0.00	0.00	10
2008-04-15	100.00	0.00	0.00	0.00	0.00	0.00	0
2008-04-08	100.00	0.00	0.00	0.00	0.00	0.00	0
2008-04-01	100.00	0.00	0.00	0.00	0.00	0.00	0
2008-03-25	100.00	0.00	0.00	0.00	0.00	0.00	0
2008-03-18	100.00	0.00	0.00	0.00	0.00	0.00	0
2008-03-11	100.00	0.00	0.00	0.00	0.00	0.00	0
2008-03-04	100.00	0.00	0.00	0.00	0.00	0.00	0
2008-02-26	100.00	0.00	0.00	0.00	0.00	0.00	0
2008-02-19	0.00	100.00	0.00	0.00	0.00	0.00	100
2008-02-12	0.00	100.00	0.00	0.00	0.00	0.00	100
2008-02-05	0.00	100.00	0.00	0.00	0.00	0.00	100
2008-01-29	0.00	100.00	0.00	0.00	0.00	0.00	100
2008-01-22	0.00	100.00	0.00	0.00	0.00	0.00	100
2008-01-15	0.00	100.00	0.00	0.00	0.00	0.00	100
2008-01-08	0.00	100.00	0.00	0.00	0.00	0.00	100
2008-01-01	0.00	100.00	0.00	0.00	0.00	0.00	100
2007-12-25	0.00	100.00	4.22	0.00	0.00	0.00	104
2007-12-18	0.00	100.00	4.22	0.00	0.00	0.00	104
2007-12-11	0.00	100.00	2.74	0.00	0.00	0.00	103
2007-12-04	35.75	64.25	0.00	0.00	0.00	0.00	64
2007-11-27	63.38	36.62	0.00	0.00	0.00	0.00	37
2007-11-20	63.38	36.62	0.00	0.00	0.00	0.00	37
2007-11-13	63.38	36.62	0.00	0.00	0.00	0.00	37
2007-11-06	100.00	0.00	0.00	0.00	0.00	0.00	0
2007-10-30	100.00	0.00	0.00	0.00	0.00	0.00	0
2007-10-23	100.00	0.00	0.00	0.00	0.00	0.00	0
2007-10-16	100.00	0.00	0.00	0.00	0.00	0.00	0
2007-10-09	100.00	0.00	0.00	0.00	0.00	0.00	0
2007-10-02	79.34	20.66	0.00	0.00	0.00	0.00	21
2007-09-25	79.34	20.66	0.00	0.00	0.00	0.00	21
2007-09-18	0.00	100.00	0.00	0.00	0.00	0.00	100
2007-09-11	0.00	100.00	0.00	0.00	0.00	0.00	100
2007-09-04	0.00	100.00	0.00	0.00	0.00	0.00	100
2007-08-28	0.00	100.00	96.50	13.92	0.00	0.00	210
2007-08-21	0.00	100.00	68.75	12.68	0.00	0.00	181
2007-08-14	0.00	100.00	68.77	12.68	0.00	0.00	181
2007-08-07	0.00	100.00	73.45	12.68	0.00	0.00	186
2007-07-31	0.00	100.00	100.00	58.13	0.00	0.00	258
2007-07-24	0.00	100.00	100.00	58.13	0.00	0.00	258
2007-07-17	0.00	100.00	100.00	58.13	0.00	0.00	258

Week	None	D0-D4	D1-D4	D2-D4	D3-D4	D4	DSCI
2007-07-10	0.00	100.00	100.00	58.13	0.00	0.00	258
2007-07-03	0.00	100.00	100.00	58.13	0.00	0.00	258
2007-06-26	0.00	100.00	100.00	58.13	0.00	0.00	258
2007-06-19	0.00	100.00	100.00	100.00	0.00	0.00	300
2007-06-12	0.00	100.00	100.00	100.00	0.00	0.00	300
2007-06-05	0.00	100.00	100.00	100.00	0.00	0.00	300
2007-05-29	0.00	100.00	100.00	100.00	100.00	0.00	400
2007-05-22	0.00	100.00	100.00	100.00	100.00	0.00	400
2007-05-15	0.00	100.00	100.00	100.00	100.00	0.00	400
2007-05-08	0.00	100.00	100.00	100.00	100.00	0.00	400
2007-05-01	0.00	100.00	100.00	100.00	100.00	0.00	400
2007-04-24	0.00	100.00	100.00	100.00	100.00	0.00	400
2007-04-17	0.00	100.00	100.00	93.47	0.00	0.00	293
2007-04-10	0.00	100.00	100.00	0.00	0.00	0.00	200
2007-04-03	0.00	100.00	100.00	0.00	0.00	0.00	200
2007-03-27	0.00	100.00	0.00	0.00	0.00	0.00	100
2007-03-20	0.00	100.00	0.00	0.00	0.00	0.00	100
2007-03-13	36.58	63.42	0.00	0.00	0.00	0.00	63
2007-03-06	36.58	63.42	0.00	0.00	0.00	0.00	63
2007-02-27	24.70	75.30	0.00	0.00	0.00	0.00	75
2007-02-20	24.70	75.30	0.00	0.00	0.00	0.00	75
2007-02-13	24.70	75.30	0.00	0.00	0.00	0.00	75
2007-02-06	24.70	75.30	0.00	0.00	0.00	0.00	75
2007-01-30	0.00	100.00	28.72	0.00	0.00	0.00	129
2007-01-23	0.00	100.00	28.72	0.00	0.00	0.00	129
2007-01-16	0.00	100.00	3.66	0.00	0.00	0.00	104
2007-01-09	0.00	100.00	3.66	0.00	0.00	0.00	104
2007-01-02	0.00	100.00	41.26	0.00	0.00	0.00	141
2006-12-26	0.00	100.00	82.17	0.00	0.00	0.00	182
2006-12-19	0.00	100.00	82.17	0.00	0.00	0.00	182
2006-12-12	0.00	100.00	82.17	0.00	0.00	0.00	182
2006-12-05	0.00	100.00	28.00	0.00	0.00	0.00	128
2006-11-28	12.36	87.64	28.00	0.00	0.00	0.00	116
2006-11-21	0.00	100.00	85.08	0.00	0.00	0.00	185
2006-11-14	0.00	100.00	100.00	0.00	0.00	0.00	200
2006-11-07	0.00	100.00	100.00	0.00	0.00	0.00	200
2006-10-31	0.00	100.00	100.00	0.00	0.00	0.00	200
2006-10-24	0.00	100.00	100.00	0.00	0.00	0.00	200
2006-10-17	0.00	100.00	100.00	0.00	0.00	0.00	200
2006-10-10	0.00	100.00	100.00	0.00	0.00	0.00	200
2006-10-03	0.00	100.00	71.49	0.00	0.00	0.00	171
2006-09-26	0.00	100.00	0.00	0.00	0.00	0.00	100
2006-09-19	0.00	100.00	0.00	0.00	0.00	0.00	100
2006-09-12	0.00	100.00	0.00	0.00	0.00	0.00	100
2006-09-05	0.00	100.00	0.00	0.00	0.00	0.00	100
2006-08-29	0.00	100.00	0.00	0.00	0.00	0.00	100
2006-08-22	0.00	100.00	63.84	0.00	0.00	0.00	164

Week	None	D0-D4	D1-D4	D2-D4	D3-D4	D4	DSCI
2006-08-15	0.00	100.00	0.00	0.00	0.00	0.00	100
2006-08-08	0.00	100.00	0.00	0.00	0.00	0.00	100
2006-08-01	0.00	100.00	0.00	0.00	0.00	0.00	100
2006-07-25	0.00	100.00	0.00	0.00	0.00	0.00	100
2006-07-18	0.00	100.00	0.00	0.00	0.00	0.00	100
2006-07-11	39.31	60.69	0.00	0.00	0.00	0.00	61
2006-07-04	100.00	0.00	0.00	0.00	0.00	0.00	0
2006-06-27	100.00	0.00	0.00	0.00	0.00	0.00	0
2006-06-20	100.00	0.00	0.00	0.00	0.00	0.00	0
2006-06-13	100.00	0.00	0.00	0.00	0.00	0.00	0
2006-06-06	92.89	7.11	0.00	0.00	0.00	0.00	7
2006-05-30	100.00	0.00	0.00	0.00	0.00	0.00	0
2006-05-23	100.00	0.00	0.00	0.00	0.00	0.00	0
2006-05-16	100.00	0.00	0.00	0.00	0.00	0.00	0
2006-05-09	100.00	0.00	0.00	0.00	0.00	0.00	0
2006-05-02	100.00	0.00	0.00	0.00	0.00	0.00	0
2006-04-25	100.00	0.00	0.00	0.00	0.00	0.00	0
2006-04-18	100.00	0.00	0.00	0.00	0.00	0.00	0
2006-04-11	100.00	0.00	0.00	0.00	0.00	0.00	0
2006-04-04	100.00	0.00	0.00	0.00	0.00	0.00	0
2006-03-28	100.00	0.00	0.00	0.00	0.00	0.00	0
2006-03-21	100.00	0.00	0.00	0.00	0.00	0.00	0
2006-03-14	100.00	0.00	0.00	0.00	0.00	0.00	0
2006-03-07	100.00	0.00	0.00	0.00	0.00	0.00	0
2006-02-28	100.00	0.00	0.00	0.00	0.00	0.00	0
2006-02-21	100.00	0.00	0.00	0.00	0.00	0.00	0
2006-02-14	100.00	0.00	0.00	0.00	0.00	0.00	0
2006-02-07	100.00	0.00	0.00	0.00	0.00	0.00	0
2006-01-31	100.00	0.00	0.00	0.00	0.00	0.00	0
2006-01-24	100.00	0.00	0.00	0.00	0.00	0.00	0
2006-01-17	100.00	0.00	0.00	0.00	0.00	0.00	0
2006-01-10	100.00	0.00	0.00	0.00	0.00	0.00	0
2006-01-03	100.00	0.00	0.00	0.00	0.00	0.00	0
2005-12-27	100.00	0.00	0.00	0.00	0.00	0.00	0
2005-12-20	100.00	0.00	0.00	0.00	0.00	0.00	0
2005-12-13	100.00	0.00	0.00	0.00	0.00	0.00	0
2005-12-06	100.00	0.00	0.00	0.00	0.00	0.00	0
2005-11-29	100.00	0.00	0.00	0.00	0.00	0.00	0
2005-11-22	100.00	0.00	0.00	0.00	0.00	0.00	0
2005-11-15	100.00	0.00	0.00	0.00	0.00	0.00	0
2005-11-08	100.00	0.00	0.00	0.00	0.00	0.00	0
2005-11-01	100.00	0.00	0.00	0.00	0.00	0.00	0
2005-10-25	100.00	0.00	0.00	0.00	0.00	0.00	0
2005-10-18	100.00	0.00	0.00	0.00	0.00	0.00	0
2005-10-11	100.00	0.00	0.00	0.00	0.00	0.00	0
2005-10-04	100.00	0.00	0.00	0.00	0.00	0.00	0
2005-09-27	100.00	0.00	0.00	0.00	0.00	0.00	0

Week	None	D0-D4	D1-D4	D2-D4	D3-D4	D4	DSCI
2005-09-20	100.00	0.00	0.00	0.00	0.00	0.00	0
2005-09-13	100.00	0.00	0.00	0.00	0.00	0.00	0
2005-09-06	100.00	0.00	0.00	0.00	0.00	0.00	0
2005-08-30	100.00	0.00	0.00	0.00	0.00	0.00	0
2005-08-23	100.00	0.00	0.00	0.00	0.00	0.00	0
2005-08-16	100.00	0.00	0.00	0.00	0.00	0.00	0
2005-08-09	100.00	0.00	0.00	0.00	0.00	0.00	0
2005-08-02	100.00	0.00	0.00	0.00	0.00	0.00	0
2005-07-26	100.00	0.00	0.00	0.00	0.00	0.00	0
2005-07-19	100.00	0.00	0.00	0.00	0.00	0.00	0
2005-07-12	100.00	0.00	0.00	0.00	0.00	0.00	0
2005-07-05	100.00	0.00	0.00	0.00	0.00	0.00	0
2005-06-28	100.00	0.00	0.00	0.00	0.00	0.00	0
2005-06-21	100.00	0.00	0.00	0.00	0.00	0.00	0
2005-06-14	100.00	0.00	0.00	0.00	0.00	0.00	0
2005-06-07	100.00	0.00	0.00	0.00	0.00	0.00	0
2005-05-31	100.00	0.00	0.00	0.00	0.00	0.00	0
2005-05-24	100.00	0.00	0.00	0.00	0.00	0.00	0
2005-05-17	100.00	0.00	0.00	0.00	0.00	0.00	0
2005-05-10	100.00	0.00	0.00	0.00	0.00	0.00	0
2005-05-03	100.00	0.00	0.00	0.00	0.00	0.00	0
2005-04-26	100.00	0.00	0.00	0.00	0.00	0.00	0
2005-04-19	100.00	0.00	0.00	0.00	0.00	0.00	0
2005-04-12	100.00	0.00	0.00	0.00	0.00	0.00	0
2005-04-05	100.00	0.00	0.00	0.00	0.00	0.00	0
2005-03-29	100.00	0.00	0.00	0.00	0.00	0.00	0
2005-03-22	100.00	0.00	0.00	0.00	0.00	0.00	0
2005-03-15	100.00	0.00	0.00	0.00	0.00	0.00	0
2005-03-08	100.00	0.00	0.00	0.00	0.00	0.00	0
2005-03-01	100.00	0.00	0.00	0.00	0.00	0.00	0
2005-02-22	100.00	0.00	0.00	0.00	0.00	0.00	0
2005-02-15	100.00	0.00	0.00	0.00	0.00	0.00	0
2005-02-08	100.00	0.00	0.00	0.00	0.00	0.00	0
2005-02-01	100.00	0.00	0.00	0.00	0.00	0.00	0
2005-01-25	100.00	0.00	0.00	0.00	0.00	0.00	0
2005-01-18	100.00	0.00	0.00	0.00	0.00	0.00	0
2005-01-11	100.00	0.00	0.00	0.00	0.00	0.00	0
2005-01-04	100.00	0.00	0.00	0.00	0.00	0.00	0
2004-12-28	100.00	0.00	0.00	0.00	0.00	0.00	0
2004-12-21	100.00	0.00	0.00	0.00	0.00	0.00	0
2004-12-14	100.00	0.00	0.00	0.00	0.00	0.00	0
2004-12-07	100.00	0.00	0.00	0.00	0.00	0.00	0
2004-11-30	100.00	0.00	0.00	0.00	0.00	0.00	0
2004-11-23	100.00	0.00	0.00	0.00	0.00	0.00	0
2004-11-16	100.00	0.00	0.00	0.00	0.00	0.00	0
2004-11-09	100.00	0.00	0.00	0.00	0.00	0.00	0
2004-11-02	100.00	0.00	0.00	0.00	0.00	0.00	0

Week	None	D0-D4	D1-D4	D2-D4	D3-D4	D4	DSCI
2004-10-26	100.00	0.00	0.00	0.00	0.00	0.00	0
2004-10-19	100.00	0.00	0.00	0.00	0.00	0.00	0
2004-10-12	100.00	0.00	0.00	0.00	0.00	0.00	0
2004-10-05	100.00	0.00	0.00	0.00	0.00	0.00	0
2004-09-28	100.00	0.00	0.00	0.00	0.00	0.00	0
2004-09-21	100.00	0.00	0.00	0.00	0.00	0.00	0
2004-09-14	100.00	0.00	0.00	0.00	0.00	0.00	0
2004-09-07	100.00	0.00	0.00	0.00	0.00	0.00	0
2004-08-31	100.00	0.00	0.00	0.00	0.00	0.00	0
2004-08-24	100.00	0.00	0.00	0.00	0.00	0.00	0
2004-08-17	100.00	0.00	0.00	0.00	0.00	0.00	0
2004-08-10	68.22	31.78	0.00	0.00	0.00	0.00	32
2004-08-03	100.00	0.00	0.00	0.00	0.00	0.00	0
2004-07-27	100.00	0.00	0.00	0.00	0.00	0.00	0
2004-07-20	100.00	0.00	0.00	0.00	0.00	0.00	0
2004-07-13	100.00	0.00	0.00	0.00	0.00	0.00	0
2004-07-06	100.00	0.00	0.00	0.00	0.00	0.00	0
2004-06-29	62.11	37.89	0.00	0.00	0.00	0.00	38
2004-06-22	7.45	92.55	36.35	0.00	0.00	0.00	129
2004-06-15	0.00	100.00	42.85	0.00	0.00	0.00	143
2004-06-08	0.00	100.00	100.00	21.92	0.00	0.00	222
2004-06-01	0.00	100.00	100.00	0.00	0.00	0.00	200
2004-05-25	0.00	100.00	100.00	0.00	0.00	0.00	200
2004-05-18	0.00	100.00	0.00	0.00	0.00	0.00	100
2004-05-11	0.00	100.00	0.00	0.00	0.00	0.00	100
2004-05-04	0.00	100.00	0.00	0.00	0.00	0.00	100
2004-04-27	0.00	100.00	0.00	0.00	0.00	0.00	100
2004-04-20	0.00	100.00	0.00	0.00	0.00	0.00	100
2004-04-13	0.00	100.00	0.00	0.00	0.00	0.00	100
2004-04-06	0.00	100.00	0.00	0.00	0.00	0.00	100
2004-03-30	0.00	100.00	0.00	0.00	0.00	0.00	100
2004-03-23	0.00	100.00	0.00	0.00	0.00	0.00	100
2004-03-16	100.00	0.00	0.00	0.00	0.00	0.00	0
2004-03-09	100.00	0.00	0.00	0.00	0.00	0.00	0
2004-03-02	100.00	0.00	0.00	0.00	0.00	0.00	0
2004-02-24	100.00	0.00	0.00	0.00	0.00	0.00	0
2004-02-17	100.00	0.00	0.00	0.00	0.00	0.00	0
2004-02-10	100.00	0.00	0.00	0.00	0.00	0.00	0
2004-02-03	100.00	0.00	0.00	0.00	0.00	0.00	0
2004-01-27	100.00	0.00	0.00	0.00	0.00	0.00	0
2004-01-20	100.00	0.00	0.00	0.00	0.00	0.00	0
2004-01-13	100.00	0.00	0.00	0.00	0.00	0.00	0
2004-01-06	100.00	0.00	0.00	0.00	0.00	0.00	0
2003-12-30	100.00	0.00	0.00	0.00	0.00	0.00	0
2003-12-23	100.00	0.00	0.00	0.00	0.00	0.00	0
2003-12-16	100.00	0.00	0.00	0.00	0.00	0.00	0
2003-12-09	100.00	0.00	0.00	0.00	0.00	0.00	0

Week	None	D0-D4	D1-D4	D2-D4	D3-D4	D4	DSCI
2003-12-02	100.00	0.00	0.00	0.00	0.00	0.00	0
2003-11-25	100.00	0.00	0.00	0.00	0.00	0.00	0
2003-11-18	100.00	0.00	0.00	0.00	0.00	0.00	0
2003-11-11	100.00	0.00	0.00	0.00	0.00	0.00	0
2003-11-04	100.00	0.00	0.00	0.00	0.00	0.00	0
2003-10-28	100.00	0.00	0.00	0.00	0.00	0.00	0
2003-10-21	100.00	0.00	0.00	0.00	0.00	0.00	0
2003-10-14	100.00	0.00	0.00	0.00	0.00	0.00	0
2003-10-07	100.00	0.00	0.00	0.00	0.00	0.00	0
2003-09-30	100.00	0.00	0.00	0.00	0.00	0.00	0
2003-09-23	100.00	0.00	0.00	0.00	0.00	0.00	0
2003-09-16	100.00	0.00	0.00	0.00	0.00	0.00	0
2003-09-09	100.00	0.00	0.00	0.00	0.00	0.00	0
2003-09-02	100.00	0.00	0.00	0.00	0.00	0.00	0
2003-08-26	100.00	0.00	0.00	0.00	0.00	0.00	0
2003-08-19	100.00	0.00	0.00	0.00	0.00	0.00	0
2003-08-12	100.00	0.00	0.00	0.00	0.00	0.00	0
2003-08-05	100.00	0.00	0.00	0.00	0.00	0.00	0
2003-07-29	100.00	0.00	0.00	0.00	0.00	0.00	0
2003-07-22	100.00	0.00	0.00	0.00	0.00	0.00	0
2003-07-15	100.00	0.00	0.00	0.00	0.00	0.00	0
2003-07-08	100.00	0.00	0.00	0.00	0.00	0.00	0
2003-07-01	100.00	0.00	0.00	0.00	0.00	0.00	0
2003-06-24	100.00	0.00	0.00	0.00	0.00	0.00	0
2003-06-17	100.00	0.00	0.00	0.00	0.00	0.00	0
2003-06-10	100.00	0.00	0.00	0.00	0.00	0.00	0
2003-06-03	100.00	0.00	0.00	0.00	0.00	0.00	0
2003-05-27	100.00	0.00	0.00	0.00	0.00	0.00	0
2003-05-20	100.00	0.00	0.00	0.00	0.00	0.00	0
2003-05-13	89.30	10.70	0.00	0.00	0.00	0.00	11
2003-05-06	100.00	0.00	0.00	0.00	0.00	0.00	0
2003-04-29	100.00	0.00	0.00	0.00	0.00	0.00	0
2003-04-22	100.00	0.00	0.00	0.00	0.00	0.00	0
2003-04-15	100.00	0.00	0.00	0.00	0.00	0.00	0
2003-04-08	100.00	0.00	0.00	0.00	0.00	0.00	0
2003-04-01	100.00	0.00	0.00	0.00	0.00	0.00	0
2003-03-25	100.00	0.00	0.00	0.00	0.00	0.00	0
2003-03-18	100.00	0.00	0.00	0.00	0.00	0.00	0
2003-03-11	100.00	0.00	0.00	0.00	0.00	0.00	0
2003-03-04	24.54	75.46	0.00	0.00	0.00	0.00	75
2003-02-25	23.93	76.07	0.00	0.00	0.00	0.00	76
2003-02-18	22.19	77.81	0.00	0.00	0.00	0.00	78
2003-02-11	24.45	75.55	0.00	0.00	0.00	0.00	76
2003-02-04	14.86	85.14	0.00	0.00	0.00	0.00	85
2003-01-28	26.48	73.52	0.00	0.00	0.00	0.00	74
2003-01-21	27.97	72.03	0.00	0.00	0.00	0.00	72
2003-01-14	26.28	73.72	0.00	0.00	0.00	0.00	74


Week	None	D0-D4	D1-D4	D2-D4	D3-D4	D4	DSCI
2003-01-07	24.73	75.27	0.00	0.00	0.00	0.00	75
2002-12-31	28.06	71.94	0.00	0.00	0.00	0.00	72
2002-12-24	20.11	79.89	0.00	0.00	0.00	0.00	80
2002-12-17	23.80	76.20	0.00	0.00	0.00	0.00	76
2002-12-10	18.73	81.27	0.00	0.00	0.00	0.00	81
2002-12-03	23.69	76.31	0.00	0.00	0.00	0.00	76
2002-11-26	12.97	87.03	0.00	0.00	0.00	0.00	87
2002-11-19	17.71	82.29	0.00	0.00	0.00	0.00	82
2002-11-12	17.53	82.47	0.00	0.00	0.00	0.00	82
2002-11-05	24.46	75.54	1.07	0.00	0.00	0.00	77
2002-10-29	28.13	71.87	0.78	0.00	0.00	0.00	73
2002-10-22	26.84	73.16	13.28	0.00	0.00	0.00	86
2002-10-15	0.00	100.00	15.02	0.00	0.00	0.00	115
2002-10-08	0.00	100.00	62.49	0.00	0.00	0.00	162
2002-10-01	30.07	69.93	0.00	0.00	0.00	0.00	70
2002-09-24	83.81	16.19	0.00	0.00	0.00	0.00	16
2002-09-17	71.06	28.94	0.00	0.00	0.00	0.00	29
2002-09-10	24.72	75.28	41.79	0.00	0.00	0.00	117
2002-09-03	26.62	73.38	37.38	0.00	0.00	0.00	111
2002-08-27	25.69	74.31	20.25	0.00	0.00	0.00	95
2002-08-20	24.80	75.20	20.24	0.00	0.00	0.00	95
2002-08-13	25.84	74.16	16.85	0.00	0.00	0.00	91
2002-08-06	24.77	75.23	5.62	0.00	0.00	0.00	81
2002-07-30	25.46	74.54	6.61	0.00	0.00	0.00	81
2002-07-23	3.68	96.32	50.15	16.78	0.00	0.00	163
2002-07-16	0.00	100.00	76.88	73.15	0.00	0.00	250
2002-07-09	0.00	100.00	77.91	73.20	0.00	0.00	251
2002-07-02	0.00	100.00	84.61	73.60	0.00	0.00	258
2002-06-25	0.00	100.00	83.31	70.91	0.00	0.00	254
2002-06-18	0.00	100.00	100.00	100.00	0.25	0.00	300
2002-06-11	0.00	100.00	100.00	100.00	1.86	0.00	302
2002-06-04	0.00	100.00	100.00	100.00	3.01	0.00	303
2002-05-28	0.00	100.00	100.00	100.00	0.00	0.00	300
2002-05-21	0.00	100.00	100.00	97.09	18.42	0.00	316
2002-05-14	0.00	100.00	100.00	100.00	0.00	0.00	300
2002-05-07	0.00	100.00	100.00	39.86	0.00	0.00	240
2002-04-30	0.00	100.00	85.76	32.45	0.00	0.00	218
2002-04-23	0.00	100.00	74.17	10.48	0.00	0.00	185
2002-04-16	0.00	100.00	73.13	13.65	0.00	0.00	187
2002-04-09	0.00	100.00	74.65	0.25	0.00	0.00	175
2002-04-02	0.00	100.00	75.37	0.32	0.00	0.00	176
2002-03-26	0.00	100.00	42.29	3.83	0.00	0.00	146
2002-03-19	0.00	100.00	50.90	0.00	0.00	0.00	151
2002-03-12	0.00	100.00	45.39	0.00	0.00	0.00	145
2002-03-05	5.08	94.92	50.87	0.00	0.00	0.00	146
2002-02-26	0.00	100.00	85.92	45.65	0.00	0.00	232
2002-02-19	0.00	100.00	96.73	18.21	0.00	0.00	215

Week	None	D0-D4	D1-D4	D2-D4	D3-D4	D4	DSCI
2002-02-12	0.00	100.00	95.48	19.52	0.00	0.00	215
2002-02-05	0.00	100.00	84.05	0.00	0.00	0.00	184
2002-01-29	0.00	100.00	99.92	0.00	0.00	0.00	200
2002-01-22	0.00	100.00	99.25	0.00	0.00	0.00	199
2002-01-15	0.00	100.00	97.84	0.00	0.00	0.00	198
2002-01-08	0.00	100.00	100.00	6.65	0.00	0.00	207
2002-01-01	0.00	100.00	100.00	26.25	0.00	0.00	226
2001-12-25	0.00	100.00	67.27	0.00	0.00	0.00	167
2001-12-18	12.10	87.90	67.27	0.00	0.00	0.00	155
2001-12-11	29.15	70.85	16.33	0.00	0.00	0.00	87
2001-12-04	0.00	100.00	26.08	0.00	0.00	0.00	126
2001-11-27	0.00	100.00	26.08	0.00	0.00	0.00	126
2001-11-20	0.00	100.00	26.08	0.00	0.00	0.00	126
2001-11-13	0.00	100.00	26.08	0.00	0.00	0.00	126
2001-11-06	0.00	100.00	0.25	0.00	0.00	0.00	100
2001-10-30	0.00	100.00	0.00	0.00	0.00	0.00	100
2001-10-23	100.00	0.00	0.00	0.00	0.00	0.00	0
2001-10-16	100.00	0.00	0.00	0.00	0.00	0.00	0
2001-10-09	100.00	0.00	0.00	0.00	0.00	0.00	0
2001-10-02	100.00	0.00	0.00	0.00	0.00	0.00	0
2001-09-25	100.00	0.00	0.00	0.00	0.00	0.00	0
2001-09-18	100.00	0.00	0.00	0.00	0.00	0.00	0
2001-09-11	100.00	0.00	0.00	0.00	0.00	0.00	0
2001-09-04	100.00	0.00	0.00	0.00	0.00	0.00	0
2001-08-28	100.00	0.00	0.00	0.00	0.00	0.00	0
2001-08-21	100.00	0.00	0.00	0.00	0.00	0.00	0
2001-08-14	100.00	0.00	0.00	0.00	0.00	0.00	0
2001-08-07	100.00	0.00	0.00	0.00	0.00	0.00	0
2001-07-31	33.44	66.56	0.00	0.00	0.00	0.00	67
2001-07-24	36.39	63.61	0.00	0.00	0.00	0.00	64
2001-07-17	36.39	63.61	0.00	0.00	0.00	0.00	64
2001-07-10	36.39	63.61	13.03	0.00	0.00	0.00	77
2001-07-03	0.00	100.00	33.19	0.00	0.00	0.00	133
2001-06-26	0.00	100.00	97.98	0.00	0.00	0.00	198
2001-06-19	0.00	100.00	97.98	0.00	0.00	0.00	198
2001-06-12	0.00	100.00	97.45	0.00	0.00	0.00	197
2001-06-05	0.00	100.00	100.00	100.00	4.38	0.00	304
2001-05-29	0.00	100.00	100.00	100.00	0.00	0.00	300
2001-05-22	0.00	100.00	100.00	100.00	0.00	0.00	300
2001-05-15	0.00	100.00	100.00	100.00	0.00	0.00	300
2001-05-08	0.00	100.00	100.00	27.32	0.00	0.00	227
2001-05-01	0.00	100.00	100.00	9.07	0.00	0.00	209
2001-04-24	0.00	100.00	100.00	9.08	0.00	0.00	209
2001-04-17	0.00	100.00	100.00	9.07	0.00	0.00	209
2001-04-10	0.00	100.00	100.00	9.07	0.00	0.00	209
2001-04-03	0.00	100.00	100.00	9.07	0.00	0.00	209
2001-03-27	0.00	100.00	100.00	9.07	0.00	0.00	209

Week	None	D0-D4	D1-D4	D2-D4	D3-D4	D4	DSCI
2001-03-20	0.00	100.00	100.00	9.07	0.00	0.00	209
2001-03-13	0.00	100.00	100.00	24.17	0.00	0.00	224
2001-03-06	0.00	100.00	100.00	59.76	0.00	0.00	260
2001-02-27	0.00	100.00	100.00	29.08	0.00	0.00	229
2001-02-20	0.00	100.00	100.00	29.08	0.00	0.00	229
2001-02-13	0.00	100.00	100.00	30.44	0.00	0.00	230
2001-02-06	0.00	100.00	26.48	0.00	0.00	0.00	126
2001-01-30	0.00	100.00	25.15	0.00	0.00	0.00	125
2001-01-23	0.00	100.00	25.15	0.00	0.00	0.00	125
2001-01-16	0.00	100.00	5.29	0.00	0.00	0.00	105
2001-01-09	0.00	100.00	5.29	0.00	0.00	0.00	105
2001-01-02	0.00	100.00	5.29	0.00	0.00	0.00	105
2000-12-26	0.00	100.00	65.94	0.00	0.00	0.00	166
2000-12-19	0.00	100.00	26.55	0.00	0.00	0.00	127
2000-12-12	0.00	100.00	19.57	0.00	0.00	0.00	120
2000-12-05	0.00	100.00	19.57	0.00	0.00	0.00	120
2000-11-28	0.00	100.00	19.57	0.00	0.00	0.00	120
2000-11-21	0.00	100.00	30.72	0.00	0.00	0.00	131
2000-11-14	0.00	100.00	6.23	0.00	0.00	0.00	106
2000-11-07	0.00	100.00	6.24	0.00	0.00	0.00	106
2000-10-31	0.00	100.00	3.82	0.00	0.00	0.00	104
2000-10-24	0.00	100.00	0.00	0.00	0.00	0.00	100
2000-10-17	95.09	4.91	0.00	0.00	0.00	0.00	5
2000-10-10	100.00	0.00	0.00	0.00	0.00	0.00	0
2000-10-03	100.00	0.00	0.00	0.00	0.00	0.00	0
2000-09-26	100.00	0.00	0.00	0.00	0.00	0.00	0
2000-09-19	100.00	0.00	0.00	0.00	0.00	0.00	0
2000-09-12	69.45	30.55	0.00	0.00	0.00	0.00	31
2000-09-05	0.00	100.00	4.24	0.00	0.00	0.00	104
2000-08-29	0.00	100.00	4.24	0.00	0.00	0.00	104
2000-08-22	0.00	100.00	4.23	0.00	0.00	0.00	104
2000-08-15	0.00	100.00	86.56	0.00	0.00	0.00	187
2000-08-08	0.00	100.00	100.00	0.00	0.00	0.00	200
2000-08-01	0.00	100.00	100.00	95.13	0.00	0.00	295
2000-07-25	0.00	100.00	100.00	100.00	0.00	0.00	300
2000-07-18	0.00	100.00	100.00	100.00	0.00	0.00	300
2000-07-11	0.00	100.00	100.00	100.00	16.23	0.00	316
2000-07-04	0.00	100.00	100.00	100.00	0.00	0.00	300
2000-06-27	0.00	100.00	100.00	100.00	50.60	0.00	351
2000-06-20	0.00	100.00	100.00	100.00	100.00	0.00	400
2000-06-13	0.00	100.00	100.00	100.00	100.00	0.00	400
2000-06-06	0.00	100.00	100.00	100.00	0.00	0.00	300
2000-05-30	0.00	100.00	100.00	100.00	0.00	0.00	300
2000-05-23	0.00	100.00	100.00	92.24	0.00	0.00	292
2000-05-16	0.00	100.00	100.00	92.24	0.00	0.00	292
2000-05-09	0.00	100.00	100.00	0.06	0.00	0.00	200
2000-05-02	0.00	100.00	100.00	0.00	0.00	0.00	200


Week	None	D0-D4	D1-D4	D2-D4	D3-D4	D4	DSCI
2000-04-25	0.00	100.00	100.00	0.00	0.00	0.00	200
2000-04-18	0.00	100.00	100.00	100.00	0.00	0.00	300
2000-04-11	0.00	100.00	100.00	100.00	0.00	0.00	300
2000-04-04	0.00	100.00	100.00	100.00	0.00	0.00	300
2000-03-28	0.00	100.00	100.00	100.00	0.00	0.00	300
2000-03-21	0.00	100.00	100.00	100.00	0.00	0.00	300
2000-03-14	0.00	100.00	100.00	100.00	0.00	0.00	300
2000-03-07	0.00	100.00	100.00	100.00	0.00	0.00	300
2000-02-29	0.00	100.00	100.00	100.00	0.00	0.00	300
2000-02-22	0.00	100.00	100.00	100.00	0.00	0.00	300
2000-02-15	0.00	100.00	100.00	100.00	0.00	0.00	300
2000-02-08	0.00	100.00	100.00	100.00	0.00	0.00	300
2000-02-01	0.00	100.00	100.00	100.00	0.00	0.00	300
2000-01-25	0.00	100.00	100.00	100.00	0.00	0.00	300
2000-01-18	0.00	100.00	100.00	100.00	0.00	0.00	300
2000-01-11	0.00	100.00	100.00	100.00	0.00	0.00	300
2000-01-04	0.00	100.00	100.00	100.00	0.00	0.00	300

Drought Events for Ware Co. 1-1-1950 – 12-31-2021 NOAA



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Storm Events Database

Data Access

- [Search](#)
- [Bulk Data Download \(CSV\)](#)
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Documentation

- [Database Details](#)
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- [NOAA's NWS Documentation](#)
- [Tornado EF Scale](#)

External Resources

- [NOAA's SPC Reports](#)
- [NOAA's SPC WCM Page](#)
- [NOAA's NWS Damage Assessment Toolkit](#)
- [NOAA's Tsunami Database](#)
- [ESRI/FEMA Civil Air Patrol Images](#)
- [SHELDUS](#)
- [USDA Cause of Loss Data](#)

Storm Events Database

Search Results for Ware County, Georgia

Event Types: [Drought](#)


Ware county contains the following zones:
[Ware](#), [Northern Ware](#), [Southern Ware](#)

1 events were reported between 01/01/1950 and 12/31/2021 (26298 days)

Summary Info:

Number of County/Zone areas affected:	1
Number of Days with Event:	1
Number of Days with Event and Death:	0
Number of Days with Event and Death or Injury:	0
Number of Days with Event and Property Damage:	0
Number of Days with Event and Crop Damage:	0
Number of Event Types reported:	1

Data Export: (current results)



[CSV Download](#) / [Documentation](#)


Column Definitions:
'Mag': Magnitude, 'Dth': Deaths, 'Inj': Injuries, 'PrD': Property Damage, 'CrD': Crop Damage

*Click on **Location** below to display details.*
Available Event Types have changed over time. Please refer to the [Database Details](#) for more information.

Sort By: Date/Time (Oldest) ▼

Location	County/Zone	St.	Date	Time	I.Z.	Type	Mag	Dth	Inj	PrD	CrD
Totals:								0	0	0.00K	0.00K
WARE (ZONE)	WARE (ZONE)	GA	12/01/2006	00:00	EST-5	Drought		0	0	0.00K	0.00K
Totals:								0	0	0.00K	0.00K

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Source: ncdc.noaa.gov

Storm Events Database

Search Results for Ware County, Georgia

Event Types: [Thunderstorm Wind](#)

180 events were reported between 01/01/1950 and 12/31/2021 (26298 days)

Summary Info:

Number of County/Zone areas affected:	1
Number of Days with Event:	134
Number of Days with Event and Death:	0
Number of Days with Event and Death or Injury:	2
Number of Days with Event and Property Damage:	50
Number of Days with Event and Crop Damage:	0
Number of Event Types reported:	1

Column Definitions:

'Mag': Magnitude, 'Dth': Deaths, 'Inj': Injuries, 'PrD': Property Damage, 'CrD': Crop Damage

Wind Magnitude Definitions:

Measured Gust:'MG', Estimated Gust:'EG', Measured Sustained:'MS', Estimated Sustained:'ES'

Click on **Location** below to display details.

Available Event Types have changed over time. Please refer to the [Database Details](#) for more information.

Select:

Sort By:

<u>Location</u>	<u>County/Zone</u>	<u>St.</u>	<u>Date</u>	<u>Time</u>	<u>T.Z.</u>	<u>Type</u>	<u>Mag</u>	<u>Dth</u>	<u>Inj</u>	<u>PrD</u>	<u>CrD</u>
Totals:								0	2	2.749M	0.00K
WARE CO.	WARE CO.	GA	05/29/1957	15:00	CST	Thunderstorm Wind	0 kts.	0	0	0.00K	0.00K
WARE CO.	WARE CO.	GA	06/27/1972	11:25	CST	Thunderstorm Wind	67 kts.	0	0	0.00K	0.00K
WARE CO.	WARE CO.	GA	03/21/1974	08:52	CST	Thunderstorm Wind	0 kts.	0	0	0.00K	0.00K
WARE CO.	WARE CO.	GA	06/23/1974	16:20	CST	Thunderstorm Wind	0 kts.	0	0	0.00K	0.00K
WARE CO.	WARE CO.	GA	03/16/1976	10:10	CST	Thunderstorm Wind	0 kts.	0	0	0.00K	0.00K
WARE CO.	WARE CO.	GA	06/22/1977	15:00	CST	Thunderstorm Wind	56 kts.	0	0	0.00K	0.00K
WARE CO.	WARE CO.	GA	07/20/1978	12:12	CST	Thunderstorm Wind	55 kts.	0	0	0.00K	0.00K
WARE CO.	WARE CO.	GA	07/06/1980	16:35	CST	Thunderstorm Wind	0 kts.	0	0	0.00K	0.00K
WARE CO.	WARE CO.	GA	06/26/1981	12:00	CST	Thunderstorm Wind	0 kts.	0	0	0.00K	0.00K
WARE CO.	WARE CO.	GA	04/05/1982	17:00	CST	Thunderstorm Wind	0 kts.	0	0	0.00K	0.00K
WARE CO.	WARE CO.	GA	02/22/1983	17:30	CST	Thunderstorm Wind	0 kts.	0	0	0.00K	0.00K
WARE CO.	WARE CO.	GA	06/06/1985	15:30	CST	Thunderstorm Wind	0 kts.	0	0	0.00K	0.00K
WARE CO.	WARE CO.	GA	06/06/1985	15:45	CST	Thunderstorm Wind	0 kts.	0	0	0.00K	0.00K
WARE CO.	WARE CO.	GA	06/06/1985	15:45	CST	Thunderstorm Wind	0 kts.	0	0	0.00K	0.00K
WARE CO.	WARE CO.	GA	06/19/1985	18:00	CST	Thunderstorm Wind	0 kts.	0	0	0.00K	0.00K
WARE CO.	WARE CO.	GA	02/06/1986	09:15	CST	Thunderstorm Wind	0 kts.	0	0	0.00K	0.00K
WARE CO.	WARE CO.	GA	06/20/1987	14:15	CST	Thunderstorm Wind	50 kts.	0	0	0.00K	0.00K
WARE CO.	WARE CO.	GA	07/28/1987	18:30	CST	Thunderstorm Wind	0 kts.	0	0	0.00K	0.00K
WARE CO.	WARE CO.	GA	06/16/1989	12:05	CST	Thunderstorm Wind	0 kts.	0	0	0.00K	0.00K
WARE CO.	WARE CO.	GA	05/16/1990	16:00	CST	Thunderstorm Wind	0 kts.	0	0	0.00K	0.00K
WARE CO.	WARE CO.	GA	03/03/1991	05:30	CST	Thunderstorm Wind	0 kts.	0	0	0.00K	0.00K
WARE CO.	WARE CO.	GA	06/04/1991	19:00	CST	Thunderstorm Wind	0 kts.	0	0	0.00K	0.00K
WARE CO.	WARE CO.	GA	07/15/1991	18:00	CST	Thunderstorm Wind	0 kts.	0	0	0.00K	0.00K
WARE CO.	WARE CO.	GA	09/11/1992	18:40	PST	Thunderstorm Wind	0 kts.	0	0	0.00K	0.00K
Waycross	WARE CO.	GA	06/04/1994	16:18	EST	Thunderstorm Wind	0 kts.	0	0	0.50K	0.00K

Waycross	WARE CO.	GA	06/25/1994	11:50	EST	Thunderstorm Wind	51 kts.	0	0	5.00K	0.00K
Waycross	WARE CO.	GA	06/25/1994	15:45	EST	Thunderstorm Wind	0 kts.	0	0	50.00K	0.00K
Bickley	WARE CO.	GA	07/25/1995	18:10	EST	Thunderstorm Wind	0 kts.	0	0	2.50K	0.00K
Dixie Union	WARE CO.	GA	11/07/1995	17:30	EST	Thunderstorm Wind	0 kts.	0	0	5.00K	0.00K
Waycross	WARE CO.	GA	11/07/1995	18:00	EST	Thunderstorm Wind	60 kts.	0	0	10.00K	0.00K
Waycross	WARE CO.	GA	11/11/1995	13:36	EST	Thunderstorm Wind	0 kts.	0	0	1.00K	0.00K
MANOR	WARE CO.	GA	05/28/1996	12:19	EST	Thunderstorm Wind	65 kts.	0	1	15.00K	0.00K
(AYS)WARE CO ARPT WA	WARE CO.	GA	05/28/1996	12:19	EST	Thunderstorm Wind	60 kts.	0	0	10.00K	0.00K
WAYCROSS	WARE CO.	GA	04/28/1997	04:50	EST	Thunderstorm Wind		0	0	2.00K	0.00K
WAYCROSS	WARE CO.	GA	04/28/1997	04:50	EST	Thunderstorm Wind		0	0	5.00K	0.00K
WARESBORO	WARE CO.	GA	05/24/1997	16:46	EST	Thunderstorm Wind		0	0	2.50K	0.00K
WAYCROSS	WARE CO.	GA	05/27/1997	13:45	EST	Thunderstorm Wind		0	0	1.50K	0.00K
DIXIE UNION	WARE CO.	GA	05/27/1997	13:50	EST	Thunderstorm Wind		0	0	2.00K	0.00K
WAYCROSS	WARE CO.	GA	07/05/1997	11:10	EST	Thunderstorm Wind		0	0	0.60K	0.00K
WAYCROSS	WARE CO.	GA	07/09/1997	15:50	EST	Thunderstorm Wind		0	0	2.50K	0.00K
BICKLEY	WARE CO.	GA	10/25/1997	19:10	EST	Thunderstorm Wind		0	0	2.50K	0.00K
MILLWOOD	WARE CO.	GA	10/26/1997	00:05	EST	Thunderstorm Wind		0	0	1.50K	0.00K
WAYCROSS	WARE CO.	GA	04/08/1998	14:00	EST	Thunderstorm Wind		0	0	1.50K	0.00K
WAYCROSS	WARE CO.	GA	06/05/1998	20:22	EST	Thunderstorm Wind		0	0	15.00K	0.00K
WAYCROSS	WARE CO.	GA	06/19/1998	19:23	EST	Thunderstorm Wind		0	0	1.50K	0.00K
GLENMORE	WARE CO.	GA	06/27/1998	16:00	EST	Thunderstorm Wind		0	0	1.50K	0.00K
WAYCROSS	WARE CO.	GA	07/28/1998	18:40	EST	Thunderstorm Wind		0	0	1.50K	0.00K
WAYCROSS	WARE CO.	GA	07/31/1998	18:00	EST	Thunderstorm Wind		0	0	1.50K	0.00K
WAYCROSS	WARE CO.	GA	07/31/1998	18:20	EST	Thunderstorm Wind		0	0	2.50K	0.00K
WAYCROSS	WARE CO.	GA	08/16/1998	17:20	EST	Thunderstorm Wind		0	0	0.50K	0.00K
WAYCROSS	WARE CO.	GA	08/16/1998	17:40	EST	Thunderstorm Wind		0	0	1.50K	0.00K
DIXIE UNION	WARE CO.	GA	08/31/1998	17:35	EST	Thunderstorm Wind		0	0	1.50K	0.00K
WAYCROSS	WARE CO.	GA	01/02/1999	16:00	EST	Thunderstorm Wind		0	0	2.200M	0.00K
WAYCROSS	WARE CO.	GA	08/02/1999	19:45	EST	Thunderstorm Wind		0	0	3.50K	0.00K
DIXIE UNION	WARE CO.	GA	08/22/1999	16:00	EST	Thunderstorm Wind		0	0	15.00K	0.00K
WAYCROSS	WARE CO.	GA	09/07/1999	16:45	EST	Thunderstorm Wind		0	0	3.50K	0.00K
WAHOMA	WARE CO.	GA	01/24/2000	08:15	EST	Thunderstorm Wind		0	0	1.50K	0.00K
WAYCROSS	WARE CO.	GA	02/27/2000	13:38	EST	Thunderstorm Wind		0	0	0.60K	0.00K
MANOR	WARE CO.	GA	04/24/2000	12:25	EST	Thunderstorm Wind		0	0	2.50K	0.00K
WAYCROSS	WARE CO.	GA	06/13/2000	18:15	EST	Thunderstorm Wind		0	0	3.50K	0.00K
WAYCROSS	WARE CO.	GA	06/14/2000	17:35	EST	Thunderstorm Wind		0	0	3.50K	0.00K
MANOR	WARE CO.	GA	06/15/2000	17:00	EST	Thunderstorm Wind		0	0	3.50K	0.00K
WAYCROSS	WARE CO.	GA	06/19/2000	19:00	EST	Thunderstorm Wind		0	0	2.50K	0.00K
WAYCROSS	WARE CO.	GA	08/10/2000	21:30	EST	Thunderstorm Wind		0	0	50.00K	0.00K
WAYCROSS	WARE CO.	GA	03/15/2001	16:12	EST	Thunderstorm Wind		0	0	2.50K	0.00K
WAYCROSS	WARE CO.	GA	05/25/2001	15:20	EST	Thunderstorm Wind		0	0	0.50K	0.00K
NEEDHAM	WARE CO.	GA	06/05/2001	18:45	EST	Thunderstorm Wind		0	0	3.50K	0.00K
WAYCROSS	WARE CO.	GA	06/05/2001	19:30	EST	Thunderstorm Wind		0	0	2.50K	0.00K
WAYCROSS	WARE CO.	GA	06/23/2001	20:30	EST	Thunderstorm Wind		0	0	3.00K	0.00K
(AYS)WARE CO ARPT WA	WARE CO.	GA	07/28/2002	17:10	EST	Thunderstorm Wind		0	0	0.00K	0.00K
DIXIE UNION	WARE CO.	GA	10/21/2002	15:55	EST	Thunderstorm Wind		0	0	0.00K	0.00K
FT MUDGE	WARE CO.	GA	11/06/2002	05:30	EST	Thunderstorm Wind		0	0	2.00K	0.00K
COUNTYWIDE	WARE CO.	GA	03/20/2003	15:35	EST	Thunderstorm Wind	60 kts. EG	0	0	0.00K	0.00K
BICKLEY	WARE CO.	GA	05/01/2003	16:55	EST	Thunderstorm Wind	55 kts. EG	0	0	0.00K	0.00K
MILLWOOD	WARE CO.	GA	05/02/2003	23:35	EST	Thunderstorm Wind	55 kts. EG	0	0	0.00K	0.00K
WAYCROSS	WARE CO.	GA	05/18/2003	14:15	EST	Thunderstorm Wind	55 kts. EG	0	0	0.00K	0.00K
MILLWOOD	WARE CO.	GA	07/07/2004	16:00	EST	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
WARESBORO	WARE CO.	GA	07/15/2004	16:32	EST	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
WAYCROSS	WARE CO.	GA	07/15/2004	16:35	EST	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
WAYCROSS	WARE CO.	GA	07/15/2004	16:40	EST	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K

DIXIE UNION	WARE CO.	GA	07/15/2004	17:15	EST	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
MANOR	WARE CO.	GA	02/22/2005	18:20	EST	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
DIXIE UNION	WARE CO.	GA	03/22/2005	17:10	EST	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
DIXIE UNION	WARE CO.	GA	03/22/2005	17:45	EST	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
WAYCROSS	WARE CO.	GA	01/02/2006	14:00	EST	Thunderstorm Wind	40 kts. EG	0	0	10.00K	0.00K
MANOR	WARE CO.	GA	04/22/2006	19:35	EST	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
MILLWOOD	WARE CO.	GA	05/08/2006	15:30	EST	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
MILLWOOD	WARE CO.	GA	05/10/2006	19:45	EST	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
MILLWOOD	WARE CO.	GA	05/10/2006	20:15	EST	Thunderstorm Wind	55 kts. EG	0	0	0.00K	0.00K
MANOR	WARE CO.	GA	05/10/2006	20:15	EST	Thunderstorm Wind	55 kts. EG	0	0	0.00K	0.00K
WAYCROSS	WARE CO.	GA	05/14/2006	20:45	EST	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
WAYCROSS	WARE CO.	GA	06/26/2006	15:30	EST	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
WAYCROSS	WARE CO.	GA	06/28/2006	15:30	EST	Thunderstorm Wind	45 kts. EG	0	0	2.00K	0.00K
DIXIE UNION	WARE CO.	GA	07/27/2006	16:48	EST	Thunderstorm Wind	55 kts. EG	0	0	250.00K	0.00K
DIXIE UNION	WARE CO.	GA	07/28/2006	17:20	EST	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
DIXIE UNION	WARE CO.	GA	07/28/2006	17:30	EST	Thunderstorm Wind	55 kts. EG	0	0	0.00K	0.00K
WAYCROSS	WARE CO.	GA	08/03/2006	16:00	EST	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
WAYCROSS	WARE CO.	GA	08/03/2006	16:00	EST	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
MANOR	WARE CO.	GA	07/01/2007	14:00	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
RUSKIN	WARE CO.	GA	07/01/2007	15:15	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
HEBARDVILLE	WARE CO.	GA	07/21/2007	19:20	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
HOPKINS	WARE CO.	GA	07/21/2007	21:30	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
WAYCROSS	WARE CO.	GA	08/11/2007	18:00	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
EIGHT MILE POST	WARE CO.	GA	08/11/2007	19:00	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
TALMO	WARE CO.	GA	08/23/2007	18:05	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
BEACH	WARE CO.	GA	02/26/2008	13:30	EST-5	Thunderstorm Wind	52 kts. EG	0	0	0.00K	0.00K
BRAGANZA	WARE CO.	GA	03/07/2008	09:40	EST-5	Thunderstorm Wind	52 kts. EG	0	0	0.00K	0.00K
(AYS)WARE CO ARPT WA	WARE CO.	GA	06/02/2008	23:29	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
MANOR	WARE CO.	GA	06/11/2008	16:00	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
MANOR	WARE CO.	GA	06/28/2008	15:43	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
FT MUDGE	WARE CO.	GA	08/07/2008	15:00	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
HASTY	WARE CO.	GA	12/11/2008	09:20	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
WAYCROSS	WARE CO.	GA	12/11/2008	09:50	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
WAYCROSS	WARE CO.	GA	07/17/2009	15:25	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
WAYCROSS	WARE CO.	GA	08/25/2009	14:05	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
WAYCROSS	WARE CO.	GA	08/25/2009	14:10	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
CRAWLEY	WARE CO.	GA	09/16/2009	18:45	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
BEACH	WARE CO.	GA	12/02/2009	14:25	EST-5	Thunderstorm Wind	52 kts. EG	0	0	0.00K	0.00K
BRAGANZA	WARE CO.	GA	06/15/2010	15:58	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
WEST WAYCROSS	WARE CO.	GA	06/15/2010	16:25	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
WARESBORO	WARE CO.	GA	04/05/2011	03:45	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
WAYCROSS	WARE CO.	GA	04/05/2011	04:05	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
DIXIE UNION	WARE CO.	GA	06/06/2011	17:15	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
(AYS)WARE CO ARPT WA	WARE CO.	GA	06/23/2011	16:45	EST-5	Thunderstorm Wind	45 kts. EG	0	0	3.00K	0.00K
EIGHT MILE POST	WARE CO.	GA	08/11/2011	18:23	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
WEST WAYCROSS	WARE CO.	GA	08/11/2011	18:25	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
WARESBORO	WARE CO.	GA	11/16/2011	20:35	EST-5	Thunderstorm Wind	61 kts. EG	0	0	10.00K	0.00K
WALTERTOWN	WARE CO.	GA	11/16/2011	20:45	EST-5	Thunderstorm Wind	50 kts. EG	0	0	3.00K	0.00K
(AYS)WARE CO ARPT WA	WARE CO.	GA	11/16/2011	20:45	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
WAYCROSS	WARE CO.	GA	11/16/2011	23:00	EST-5	Thunderstorm Wind	50 kts. EG	0	0	3.00K	0.00K
DIXIE UNION	WARE CO.	GA	02/24/2012	15:55	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
MILLWOOD	WARE CO.	GA	03/03/2012	12:45	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
WAYCROSS	WARE CO.	GA	03/03/2012	12:55	EST-5	Thunderstorm Wind	50 kts. EG	0	0	3.00K	0.00K
WAYCROSS	WARE CO.	GA	03/03/2012	13:00	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
MILLWOOD	WARE CO.	GA	03/03/2012	13:40	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K

WAYCROSS	WARE CO.	GA	03/03/2012	14:20	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
COLGANS	WARE CO.	GA	05/17/2012	18:42	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
WAYCROSS	WARE CO.	GA	05/17/2012	18:42	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
HEBARDVILLE	WARE CO.	GA	07/01/2012	21:25	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
EMERSON PARK	WARE CO.	GA	07/29/2012	16:55	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
WAYCROSS	WARE CO.	GA	07/29/2012	17:30	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
WAYCROSS	WARE CO.	GA	01/30/2013	21:13	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
(AYS)WARE CO ARPT WA	WARE CO.	GA	04/07/2014	14:55	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
WAYCROSS	WARE CO.	GA	06/10/2014	18:30	EST-5	Thunderstorm Wind	45 kts. EG	0	0	5.00K	0.00K
WAYCROSS	WARE CO.	GA	06/24/2014	16:35	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
WAYCROSS	WARE CO.	GA	10/14/2014	13:40	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
BICKLEY	WARE CO.	GA	10/14/2014	13:55	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
WAYCROSS	WARE CO.	GA	12/24/2014	12:49	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
WAYCROSS	WARE CO.	GA	05/19/2015	15:40	EST-5	Thunderstorm Wind	45 kts. EG	0	0	3.00K	0.00K
TALMO	WARE CO.	GA	05/26/2015	18:10	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
WEST WAYCROSS	WARE CO.	GA	06/01/2015	16:44	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
DEENWOOD	WARE CO.	GA	06/12/2015	16:15	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
WAYCROSS	WARE CO.	GA	06/12/2015	16:15	EST-5	Thunderstorm Wind	55 kts. MG	0	0	0.00K	0.00K
DIXIE UNION	WARE CO.	GA	06/12/2015	16:15	EST-5	Thunderstorm Wind	55 kts. EG	0	0	0.00K	0.00K
WAYCROSS	WARE CO.	GA	08/23/2015	14:45	EST-5	Thunderstorm Wind	45 kts. EG	0	0	2.00K	0.00K
DIXIE UNION	WARE CO.	GA	04/01/2016	16:35	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
WAYCROSS	WARE CO.	GA	04/01/2016	17:06	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
FAIRFAX	WARE CO.	GA	05/19/2016	15:30	EST-5	Thunderstorm Wind	45 kts. EG	0	0	0.50K	0.00K
EMERSON PARK	WARE CO.	GA	06/17/2016	19:59	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
WAYCROSS	WARE CO.	GA	06/17/2016	20:00	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
EMERSON PARK	WARE CO.	GA	06/17/2016	20:00	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
BRAGANZA	WARE CO.	GA	07/16/2016	17:14	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
WAYCROSS	WARE CO.	GA	07/16/2016	17:14	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
BRAGANZA	WARE CO.	GA	07/31/2016	20:00	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
HEBARDVILLE	WARE CO.	GA	08/01/2016	15:18	EST-5	Thunderstorm Wind	45 kts. EG	0	0	1.00K	0.00K
CRAWLEY	WARE CO.	GA	08/04/2017	15:10	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
DEENWOOD	WARE CO.	GA	08/30/2017	18:12	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
HEBARDVILLE	WARE CO.	GA	06/02/2018	15:30	EST-5	Thunderstorm Wind	45 kts. EG	0	0	2.00K	0.00K
WEST WAYCROSS	WARE CO.	GA	06/02/2018	15:30	EST-5	Thunderstorm Wind	45 kts. EG	0	0	0.50K	0.00K
HAYWOOD	WARE CO.	GA	08/08/2018	18:00	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
EMERSON PARK	WARE CO.	GA	04/19/2019	10:09	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
WEST WAYCROSS	WARE CO.	GA	04/19/2019	10:10	EST-5	Thunderstorm Wind	50 kts. EG	0	1	0.00K	0.00K
BEACH	WARE CO.	GA	06/20/2019	18:40	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
MANOR	WARE CO.	GA	02/06/2020	19:55	EST-5	Thunderstorm Wind	60 kts. EG	0	0	0.00K	0.00K
WAYCROSS	WARE CO.	GA	02/06/2020	20:13	EST-5	Thunderstorm Wind	60 kts. EG	0	0	0.00K	0.00K
WAHOMA	WARE CO.	GA	04/23/2020	13:08	EST-5	Thunderstorm Wind	60 kts. EG	0	0	0.00K	0.00K
WEST WAYCROSS	WARE CO.	GA	04/23/2020	13:15	EST-5	Thunderstorm Wind	60 kts. EG	0	0	0.00K	0.00K
SAPPVILLE	WARE CO.	GA	05/28/2020	17:20	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
WEST WAYCROSS	WARE CO.	GA	12/24/2020	17:10	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
BICKLEY	WARE CO.	GA	04/24/2021	11:05	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
Totals:								0	2	2.749M	0.00K

Storm Events Database

Search Results for Ware County, Georgia

Event Types: **Flood**

Ware county contains the following zones:

Ware, Northern Ware , Southern Ware

6 events were reported between 01/01/1950 and 12/31/2021 (26298 days)

Summary Info:

Number of County/Zone areas affected:	2
Number of Days with Event:	5
Number of Days with Event and Death:	0
Number of Days with Event and Death or Injury:	0
Number of Days with Event and Property Damage:	1
Number of Days with Event and Crop Damage:	0
Number of Event Types reported:	1

Column Definitions:

'Mag': Magnitude, 'Dth': Deaths, 'Inj': Injuries, 'PrD': Property Damage, 'CrD': Crop Damage

Click on **Location** below to display details.

Available Event Types have changed over time. Please refer to the [Database Details](#) for more information.

Sort By: ▼

<u>Location</u>	<u>County/Zone</u>	<u>St.</u>	<u>Date</u>	<u>Time</u>	<u>T.Z.</u>	<u>Type</u>	<u>Mag</u>	<u>Dth</u>	<u>Inj</u>	<u>PrD</u>	<u>CrD</u>
Totals:								0	0	100.00K	0.00K
WARE (ZONE)	WARE (ZONE)	GA	03/01/1998	00:01	EST	Flood		0	0	100.00K	0.00K
WALVERTOWN	WARE CO.	GA	04/01/2009	16:00	EST-5	Flood		0	0	0.00K	0.00K
WAYCROSS	WARE CO.	GA	04/02/2009	00:00	EST-5	Flood		0	0	0.00K	0.00K
MILLWOOD	WARE CO.	GA	04/02/2009	00:01	EST-5	Flood		0	0	0.00K	0.00K
WAYCROSS	WARE CO.	GA	07/31/2015	18:15	EST-5	Flood		0	0	0.00K	0.00K
WAYCROSS	WARE CO.	GA	12/02/2018	12:50	EST-5	Flood		0	0	0.00K	0.00K
Totals:								0	0	100.00K	0.00K

Storm Events Database

Search Results for Ware County, Georgia

Event Types: **Flash Flood**

6 events were reported between 01/01/1950 and 12/31/2021 (26298 days)

Summary Info:

Number of County/Zone areas affected:	2
Number of Days with Event:	6
Number of Days with Event and Death:	0
Number of Days with Event and Death or Injury:	0
Number of Days with Event and Property Damage:	3
Number of Days with Event and Crop Damage:	0
Number of Event Types reported:	1

Column Definitions:

'Mag': Magnitude, 'Dth': Deaths, 'Inj': Injuries, 'PrD': Property Damage, 'CrD': Crop Damage

Click on **Location** below to display details.

Available Event Types have changed over time. Please refer to the [Database Details](#) for more information.

Sort By: ▼

<u>Location</u>	<u>County/Zone</u>	<u>St.</u>	<u>Date</u>	<u>Time</u>	<u>T.Z.</u>	<u>Type</u>	<u>Mag</u>	<u>Dth</u>	<u>Inj</u>	<u>PrD</u>	<u>CrD</u>
Totals:								0	0	40.00K	0.00K
HABERSHAM (ZONE)	HABERSHAM (ZONE)	GA	12/01/1996	11:20	EST	Flash Flood		0	0	0.00K	0.00K
WAYCROSS	WARE CO.	GA	09/03/1998	04:30	EST	Flash Flood		0	0	10.00K	0.00K
COUNTYWIDE	WARE CO.	GA	09/29/1998	23:00	EST	Flash Flood		0	0	20.00K	0.00K
SOUTH PORTION	WARE CO.	GA	10/04/1998	16:00	EST	Flash Flood		0	0	10.00K	0.00K
COUNTYWIDE	WARE CO.	GA	06/12/2001	02:05	EST	Flash Flood		0	0	0.00K	0.00K
NORTH PORTION	WARE CO.	GA	03/07/2003	10:15	EST	Flash Flood		0	0	0.00K	0.00K
Totals:								0	0	40.00K	0.00K



Storm Events Database

Data Access

- [Search](#)
- [Bulk Data Download \(CSV\)](#)
- [Storm Data Publication](#)

Documentation

- [Database Details](#)
- [Version History](#)
- [Storm Data FAQ](#)
- [NOAA's NWS Documentation](#)
- [Tornado EF Scale](#)

External Resources

- [NOAA's SPC Reports](#)
- [NOAA's SPC WCM Page](#)
- [NOAA's NWS Damage Assessment Toolkit](#)
- [NOAA's Tsunami Database](#)
- [ESRI/FEMA Civil Air Patrol Images](#)
- [SHELDUS](#)
- [USDA Cause of Loss Data](#)

Storm Events Database

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Event Details:

Event	Heavy Rain
State	GEORGIA
County/Area	WARE
WFO	JAX
Report Source	TRAINED SPOTTER
NCEI Data Source	PDS
Begin Date	2005-06-29 08:30 EST
End Date	2005-06-29 09:30 EST
End Location	WAYCROSS
Deaths Direct/Indirect	0/0 (fatality details below, when available...)
Injuries Direct/Indirect	0/0
Property Damage	
Crop Damage	
Episode Narrative	Spotter measured 2.25 inches of rainfall in one hour.

All events for this episode:

Location	County/Zone	St.	Date	Time	I.Z.	Type	Mag	Dth	Inj	PrD	CrD
WAYCROSS	WARE CO.	GA	06/29/2005	08:30	EST	Heavy Rain		0	0	0.00K	0.00K
WAYCROSS	WARE CO.	GA	02/02/2006	17:00	EST	Heavy Rain		0	0	0.00K	0.00K
WAYCROSS	WARE CO.	GA	07/21/2007	19:00	EST-5	Heavy Rain		0	0	0.00K	0.00K
WAYCROSS	WARE CO.	GA	02/22/2008	10:00	EST-5	Heavy Rain		0	0	0.00K	0.00K
DIXIE UNION	WARE CO.	GA	09/16/2009	14:45	EST-5	Heavy Rain		0	0	0.00K	0.00K
MANOR	WARE CO.	GA	10/10/2011	07:00	EST-5	Heavy Rain		0	0	0.00K	0.00K
MANOR	WARE CO.	GA	10/10/2011	17:30	EST-5	Heavy Rain		0	0	0.00K	0.00K
WAYCROSS	WARE CO.	GA	06/04/2013	18:57	EST-5	Heavy Rain		0	0	0.00K	0.00K
WAYCROSS	WARE CO.	GA	04/07/2014	11:00	EST-5	Heavy Rain		0	0	0.00K	0.00K
DIXIE UNION	WARE CO.	GA	08/13/2018	16:00	EST-5	Heavy Rain		0	0	0.00K	0.00K
MANOR	WARE CO.	GA	12/01/2018	09:00	EST-5	Heavy Rain		0	0	0.00K	0.00K
(AYS)WARE CO ARPT WA	WARE CO.	GA	12/01/2018	09:00	EST-5	Heavy Rain		0	0	0.00K	0.00K
MANOR	WARE CO.	GA	12/01/2018	12:44	EST-5	Heavy Rain		0	0	0.00K	0.00K
Totals:								0	0	0.00K	0.00K

Storm Events Database

Search Results for Ware County, Georgia

Event Types: [Excessive Heat](#)

Ware county contains the following zones:

[Ware](#), [Northern Ware](#), [Southern Ware](#)

0 events were reported between 01/01/1950 and 12/31/2021 (26298 days)

Summary Info:

Number of County/Zone areas affected:	0
Number of Days with Event:	0
Number of Days with Event and Death:	0
Number of Days with Event and Death or Injury:	0
Number of Days with Event and Property Damage:	0
Number of Days with Event and Crop Damage:	0
Number of Event Types reported:	0

Column Definitions:

'Mag': Magnitude, 'Dth': Deaths, 'Inj': Injuries, 'PrD': Property Damage, 'CrD': Crop Damage

Click on **Location** below to display details.

Available Event Types have changed over time. Please refer to the [Database Details](#) for more information.

Sort By: ▼

<u>Location</u>	<u>County/Zone</u>	<u>St.</u>	<u>Date</u>	<u>Time</u>	<u>T.Z.</u>	<u>Type</u>	<u>Mag</u>	<u>Dth</u>	<u>Inj</u>	<u>PrD</u>	<u>CrD</u>
Totals:								0	0	0.00K	0.00K

Storm Events Database

Search Results for Ware County, Georgia

Event Types: [Tornado](#)

18 events were reported between 01/01/1950 and 12/31/2021 (26298 days)

Summary Info:

Number of County/Zone areas affected:	1
Number of Days with Event:	17
Number of Days with Event and Death:	0
Number of Days with Event and Death or Injury:	4
Number of Days with Event and Property Damage:	11
Number of Days with Event and Crop Damage:	0
Number of Event Types reported:	1

Column Definitions:

'Mag': Magnitude, 'Dth': Deaths, 'Inj': Injuries, 'PrD': Property Damage, 'CrD': Crop Damage

Click on **Location** below to display details.

Available Event Types have changed over time. Please refer to the [Database Details](#) for more information.

Select:

Sort By:

<u>Location</u>	<u>County/Zone</u>	<u>St.</u>	<u>Date</u>	<u>Time</u>	<u>T.Z.</u>	<u>Type</u>	<u>Mag</u>	<u>Dth</u>	<u>Inj</u>	<u>PrD</u>	<u>CrD</u>
Totals:								0	18	3.646M	0.00K
WARE CO.	WARE CO.	GA	04/05/1957	10:00	CST	Tornado	F1	0	1	2.50K	0.00K
WARE CO.	WARE CO.	GA	02/28/1966	08:00	CST	Tornado	F0	0	1	25.00K	0.00K
WARE CO.	WARE CO.	GA	03/12/1968	15:44	CST	Tornado	F0	0	0	0.00K	0.00K
WARE CO.	WARE CO.	GA	11/18/1968	13:20	CST	Tornado	F3	0	0	25.00K	0.00K
WARE CO.	WARE CO.	GA	02/25/1970	16:10	CST	Tornado	F2	0	2	250.00K	0.00K
WARE CO.	WARE CO.	GA	02/07/1971	11:30	CST	Tornado	F1	0	0	25.00K	0.00K
WARE CO.	WARE CO.	GA	02/10/1986	22:05	EST	Tornado	F1	0	2	250.00K	0.00K
WARE CO.	WARE CO.	GA	02/10/1986	22:10	EST	Tornado	F1	0	12	2.500M	0.00K
WARE CO.	WARE CO.	GA	05/01/1989	17:00	CST	Tornado	F1	0	0	250.00K	0.00K
WARE CO.	WARE CO.	GA	09/25/1991	17:55	EST	Tornado	F0	0	0	250.00K	0.00K
DIXIE UNION	WARE CO.	GA	01/05/2007	17:10	EST-5	Tornado	F0	0	0	20.00K	0.00K
WARESBORO	WARE CO.	GA	09/21/2007	03:45	EST-5	Tornado	EF0	0	0	0.00K	0.00K
(AYS)WARE CO ARPT WA	WARE CO.	GA	11/16/2011	20:40	EST-5	Tornado	EF1	0	0	8.00K	0.00K
MILLWOOD	WARE CO.	GA	04/01/2016	16:35	EST-5	Tornado	EF1	0	0	0.00K	0.00K
HOPKINS	WARE CO.	GA	12/02/2018	18:48	EST-5	Tornado	EF0	0	0	0.00K	0.00K
WAYCROSS	WARE CO.	GA	02/06/2020	21:05	EST-5	Tornado	EF0	0	0	0.00K	0.00K
WARESBORO	WARE CO.	GA	04/23/2020	13:05	EST-5	Tornado	EF0	0	0	0.00K	0.00K
HEBARDVILLE	WARE CO.	GA	09/16/2020	18:33	EST-5	Tornado	EF1	0	0	40.00K	0.00K
Totals:								0	18	3.646M	0.00K

Storm Events Database

Search Results for Ware County, Georgia

Event Types: [Hail](#)

50 events were reported between 01/01/1950 and 12/31/2021 (26298 days)

Summary Info:

Number of County/Zone areas affected:	1
Number of Days with Event:	42
Number of Days with Event and Death:	0
Number of Days with Event and Death or Injury:	0
Number of Days with Event and Property Damage:	0
Number of Days with Event and Crop Damage:	1
Number of Event Types reported:	1

Column Definitions:

'Mag': Magnitude, 'Dth': Deaths, 'Inj': Injuries, 'PrD': Property Damage, 'CrD': Crop Damage

Click on **Location** below to display details.

Available Event Types have changed over time. Please refer to the [Database Details](#) for more information.

Select:

Sort By:

Location	County/Zone	St.	Date	Time	T.Z.	Type	Mag	Dth	Inj	PrD	CrD
Totals:								0	0	0.00K	0.50K
WARE CO.	WARE CO.	GA	04/30/1971	15:11	CST	Hail	2.75 in.	0	0	0.00K	0.00K
WARE CO.	WARE CO.	GA	06/13/1974	19:00	CST	Hail	0.75 in.	0	0	0.00K	0.00K
WARE CO.	WARE CO.	GA	07/05/1975	16:30	CST	Hail	0.75 in.	0	0	0.00K	0.00K
WARE CO.	WARE CO.	GA	06/19/1985	18:00	CST	Hail	1.00 in.	0	0	0.00K	0.00K
Waresboro	WARE CO.	GA	10/02/1994	17:30	EST	Hail	0.75 in.	0	0	0.00K	0.50K
WAYCROSS	WARE CO.	GA	10/26/1997	17:30	EST	Hail	1.75 in.	0	0	0.00K	0.00K
EMERSON PARK	WARE CO.	GA	04/08/1998	14:00	EST	Hail	0.75 in.	0	0	0.00K	0.00K
WAYCROSS	WARE CO.	GA	05/03/1998	18:19	EST	Hail	0.88 in.	0	0	0.00K	0.00K
DIXIE UNION	WARE CO.	GA	05/04/1998	12:40	EST	Hail	0.75 in.	0	0	0.00K	0.00K
WAYCROSS	WARE CO.	GA	06/25/1998	15:05	EST	Hail	1.00 in.	0	0	0.00K	0.00K
WAYCROSS	WARE CO.	GA	03/27/2000	16:20	EST	Hail	0.75 in.	0	0	0.00K	0.00K
WAYCROSS	WARE CO.	GA	03/27/2000	18:35	EST	Hail	1.75 in.	0	0	0.00K	0.00K
WAYCROSS	WARE CO.	GA	06/14/2000	16:45	EST	Hail	0.75 in.	0	0	0.00K	0.00K
WAYCROSS	WARE CO.	GA	06/17/2000	18:30	EST	Hail	0.75 in.	0	0	0.00K	0.00K
EMERSON PARK	WARE CO.	GA	06/22/2000	17:25	EST	Hail	0.75 in.	0	0	0.00K	0.00K
WAHOMA	WARE CO.	GA	05/27/2001	17:10	EST	Hail	0.75 in.	0	0	0.00K	0.00K
BICKLEY	WARE CO.	GA	08/10/2001	14:48	EST	Hail	0.75 in.	0	0	0.00K	0.00K
WAYCROSS	WARE CO.	GA	05/10/2002	18:45	EST	Hail	2.50 in.	0	0	0.00K	0.00K
FT MUDGE	WARE CO.	GA	05/10/2002	19:00	EST	Hail	2.50 in.	0	0	0.00K	0.00K
DIXIE UNION	WARE CO.	GA	10/21/2002	15:55	EST	Hail	0.75 in.	0	0	0.00K	0.00K
WAYCROSS	WARE CO.	GA	03/13/2003	10:39	EST	Hail	0.88 in.	0	0	0.00K	0.00K
WAYCROSS	WARE CO.	GA	04/08/2004	14:25	EST	Hail	1.25 in.	0	0	0.00K	0.00K
BICKLEY	WARE CO.	GA	07/15/2004	13:45	EST	Hail	0.88 in.	0	0	0.00K	0.00K
WARESBORO	WARE CO.	GA	07/15/2004	16:30	EST	Hail	0.88 in.	0	0	0.00K	0.00K
MANOR	WARE CO.	GA	02/22/2005	18:05	EST	Hail	0.75 in.	0	0	0.00K	0.00K
MILLWOOD	WARE CO.	GA	03/25/2005	06:00	EST	Hail	1.00 in.	0	0	0.00K	0.00K
MILLWOOD	WARE CO.	GA	03/25/2005	06:00	EST	Hail	1.00 in.	0	0	0.00K	0.00K
MILLWOOD	WARE CO.	GA	03/25/2005	08:44	EST	Hail	1.00 in.	0	0	0.00K	0.00K

WAYCROSS	WARE CO.	GA	04/22/2006	19:00	EST	Hail	1.50 in.	0	0	0.00K	0.00K
MANOR	WARE CO.	GA	04/22/2006	19:35	EST	Hail	0.88 in.	0	0	0.00K	0.00K
MILLWOOD	WARE CO.	GA	05/14/2006	20:30	EST	Hail	0.88 in.	0	0	0.00K	0.00K
WAYCROSS	WARE CO.	GA	05/15/2006	10:50	EST	Hail	0.75 in.	0	0	0.00K	0.00K
DIXIE UNION	WARE CO.	GA	01/05/2007	17:03	EST-5	Hail	0.75 in.	0	0	0.00K	0.00K
HOPKINS	WARE CO.	GA	02/26/2008	12:12	EST-5	Hail	0.75 in.	0	0	0.00K	0.00K
MANOR	WARE CO.	GA	05/21/2008	21:15	EST-5	Hail	0.75 in.	0	0	0.00K	0.00K
WALTERTOWN	WARE CO.	GA	06/02/2008	17:05	EST-5	Hail	1.00 in.	0	0	0.00K	0.00K
DIXIE UNION	WARE CO.	GA	06/02/2008	23:18	EST-5	Hail	0.75 in.	0	0	0.00K	0.00K
WAYCROSS	WARE CO.	GA	06/28/2008	15:19	EST-5	Hail	0.88 in.	0	0	0.00K	0.00K
MILLWOOD	WARE CO.	GA	10/09/2008	11:20	EST-5	Hail	0.88 in.	0	0	0.00K	0.00K
WAYCROSS	WARE CO.	GA	06/22/2009	17:20	EST-5	Hail	0.75 in.	0	0	0.00K	0.00K
DIXIE UNION	WARE CO.	GA	08/14/2009	16:34	EST-5	Hail	1.75 in.	0	0	0.00K	0.00K
TALMO	WARE CO.	GA	12/02/2009	14:40	EST-5	Hail	0.75 in.	0	0	0.00K	0.00K
BICKLEY	WARE CO.	GA	05/21/2010	16:15	EST-5	Hail	1.00 in.	0	0	0.00K	0.00K
BRAGANZA	WARE CO.	GA	06/15/2010	15:58	EST-5	Hail	0.75 in.	0	0	0.00K	0.00K
MANOR	WARE CO.	GA	04/29/2013	13:10	EST-5	Hail	0.75 in.	0	0	0.00K	0.00K
WAYCROSS	WARE CO.	GA	06/10/2014	18:38	EST-5	Hail	0.75 in.	0	0	0.00K	0.00K
WAYCROSS	WARE CO.	GA	05/19/2015	15:29	EST-5	Hail	1.00 in.	0	0	0.00K	0.00K
DIXIE UNION	WARE CO.	GA	03/20/2018	13:10	EST-5	Hail	1.00 in.	0	0	0.00K	0.00K
WAYCROSS	WARE CO.	GA	04/23/2020	13:13	EST-5	Hail	1.00 in.	0	0	0.00K	0.00K
WAYCROSS	WARE CO.	GA	04/23/2020	13:15	EST-5	Hail	1.00 in.	0	0	0.00K	0.00K
Totals:								0	0	0.00K	0.50K

Storm Events Database

Search Results for Ware County, Georgia

Event Types: [Hurricane \(Typhoon\)](#)

Ware county contains the following zones:

[Ware](#), [Northern Ware](#), [Southern Ware](#)

0 events were reported between 01/01/1950 and 12/31/2021 (26298 days)

Summary Info:

Number of County/Zone areas affected:	0
Number of Days with Event:	0
Number of Days with Event and Death:	0
Number of Days with Event and Death or Injury:	0
Number of Days with Event and Property Damage:	0
Number of Days with Event and Crop Damage:	0
Number of Event Types reported:	0

Column Definitions:

'Mag': Magnitude, 'Dth': Deaths, 'Inj': Injuries, 'PrD': Property Damage, 'CrD': Crop Damage

Click on **Location** below to display details.

Available Event Types have changed over time. Please refer to the [Database Details](#) for more information.

Sort By: ▼

<u>Location</u>	<u>County/Zone</u>	<u>St.</u>	<u>Date</u>	<u>Time</u>	<u>T.Z.</u>	<u>Type</u>	<u>Mag</u>	<u>Dth</u>	<u>Inj</u>	<u>PrD</u>	<u>CrD</u>
Totals:								0	0	0.00K	0.00K

Storm Events Database

Search Results for Ware County, Georgia

Event Types: [Winter Storm](#)

Ware county contains the following zones:

[Ware](#), [Northern Ware](#), [Southern Ware](#)

2 events were reported between 01/31/1950 and 12/31/2021 (26268 days)

Summary Info:

Number of County/Zone areas affected:	1
Number of Days with Event:	2
Number of Days with Event and Death:	0
Number of Days with Event and Death or Injury:	0
Number of Days with Event and Property Damage:	0
Number of Days with Event and Crop Damage:	0
Number of Event Types reported:	1

Column Definitions:

'Mag': Magnitude, 'Dth': Deaths, 'Inj': Injuries, 'PrD': Property Damage, 'CrD': Crop Damage

Click on **Location** below to display details.

Available Event Types have changed over time. Please refer to the [Database Details](#) for more information.

Sort By: ▼

<u>Location</u>	<u>County/Zone</u>	<u>St.</u>	<u>Date</u>	<u>Time</u>	<u>I.Z.</u>	<u>Type</u>	<u>Mag</u>	<u>Dth</u>	<u>Inj</u>	<u>PrD</u>	<u>CrD</u>
Totals:								0	0	0.00K	0.00K
WARE (ZONE)	WARE (ZONE)	GA	02/12/2010	18:55	EST-5	Winter Storm		0	0	0.00K	0.00K
WARE (ZONE)	WARE (ZONE)	GA	01/03/2018	06:54	EST-5	Winter Storm		0	0	0.00K	0.00K
Totals:								0	0	0.00K	0.00K

Critical Facilities Inventory

2022

Ware-Waycross

Id	Name	Jurisdiction	Address	City	Facility Types	Building Value
69905	Ware County BOE Waycross Middle School	Waycross city	700 Central Ave.	Waycross	Education, K - 12	5244638.00
69906	Waycross Police Department	Waycross city	510-512 Oak St	Waycross	Law Enforcement, Police	873525.00
69907	Ware State Prison	Waycross city	3620 N Harris Rd	Waycross	Law Enforcement, Prisons	8670393.00
69908	Memorial Satilla Health	Waycross city	1900 Tebeau Street	Waycross	Medical, Hospital	11693591.00
69909	Waycross Water System-Fulford	Ware County	Fulford Rd	Waycross	Government, Water/Sewer	300000.00
69910	Ware County Water System-Satilla RWSA	Ware County	4075 Albany Ave	Waycross	Government, Water/Sewer	300000.00
69911	Ware County Water System-East-Satilla RWSA	Ware County	405 E. Ware St	Waycross	Government, Water/Sewer	15000.00
69912	Ware County Water System-Satilla RWSA	Ware County	3955 Driggers Rd	Waycross	Government, Water/Sewer	126200.00
69913	Airco Welding Products	Ware County	901 Hamilton Avenue	Waycross	NGO, Private	85849.00
69914	Baptist Village	Waycross city	2650 Carswell Avenue	Waycross	NGO, ALF	15400350.00
69915	GA DOE Okefenokee RESA	Ware County	1450 North Augusta Avenue	Waycross	Education, K - 12	400358.00
69916	GA DOE Okef. RESA Harrell Psy. Center	Waycross city	1310 Bailey Street	Waycross	Education, Private	400358.00
69917	GA DOT Area Engineering	Waycross city	104 North Nicholls Street	Waycross	Government, Transportation	152015.00
69918	GA DOT Maintenance Department	Ware County	3321 Albany Avenue	Waycross	Government, Transportation	172267.00
69919	GA DOS Motorvehicle Safety Dept.	Waycross city	3029 Memorial Drive	Waycross	Law Enforcement, Transportation	78672.00
69920	GA Forestry Commission	Ware County	2999 Forest Road	Waycross	Government, Government Offices	25297.00
69921	GA Forestry Commission Hangar	Ware County	2891 Forest Road	Waycross	Government, Government Offices	22096.00
69922	GA Forestry District Forester	Ware County	5006 Jacksonville Hwy.	Waycross	Government, Government Offices	15894648.00
69923	GA Legal Services	Waycross city	1057 Grove Avenue	Waycross	Government, Private	199253.00
69924	Gibson Animal Clinic	Waycross city	108 Riverside Drive	Waycross	Medical, Private	538138.00
69925	Food Lion Supermarket-Plant Ave.	Waycross city	1314 Plant Avenue	Waycross	NGO, Private	1595219.00

Critical Facilities Inventory
Ware-Waycross

2022

Id	Name	Jurisdiction	Address	City	Facility Types	Building Value
69926	Action Pact	Waycross city	510 Tebeau Street	Waycross	Government, Government Offices	1028610.00
69927	Holox/Linde Gas LLC	Waycross city	103 Lee Avenue	Waycross	NGO, Private	235114.00
69928	Kroger Supermarket	Waycross city	1606 Memorial Drive	Waycross	NGO, Private	3916579.00
69929	Concerted Services Child Care	Waycross city	1235 McDonald Street	Waycross	NGO, Day Care	644735.00
69930	FAA Vortac Facility	Ware County	6100 Albany Highway (US #82)	Waycross	Government, Government Offices	185463.00
69931	First Baptist Church	Waycross city	702 Elizabeth Street	Waycross	NGO, Non-Profit	2713785.00
69932	Division of Family & Children Services	Waycross city	1200 Plant Ave	Waycross	Government, Government Offices	1093896.00
69933	GA DNR Fisheries	Waycross city	108 Darling Avenue	Waycross	Government, Government Offices	709243.00
69934	Rochelle's Daycare Center	Waycross city	2351 Riverside Drive	Waycross	NGO, Day Care	232970.00
69935	Salvation Army HQ Emergency Shelter	Waycross city	977 Tebeau Street	Waycross	Emergency Services, Non-Profit	137652.00
69936	Harbor View Satilla	Waycross city	1600 Riverside Avenue	Waycross	NGO, NH	3029605.00
69937	GA DOC Probation Office	Waycross city	306 Albany Avenue	Waycross	Government, Government Offices	102529.00
69938	Hospice Satilla	Waycross city	1921 Alice Street #A-1	Waycross	Medical, NH	319146.00
69939	Outpatient Therapy Memorial Satilla Health	Waycross city	1800 Alice Street	Waycross	Medical, Medical Offices	2239049.00
69940	Southside Christian School	Waycross city	3439 Knight Avenue	Waycross	Education, Private	7782788.00
69941	Strate Welding Supply	Waycross city	1722 Reynolds Street	Waycross	NGO, Private	288045.00
69942	Truist Bank	Waycross city	1807 Knight Avenue	Waycross	NGO, Private	1035665.00
69943	U.S. Federal Courthouse/Waycross P.O.	Waycross city	601 Tebeau Street	Waycross	Government, Court House	8194865.00
69944	USPO- Vehicle Maintenance	Waycross city	1001 Albany Avenue	Waycross	Government, Government Offices	67213.00
69945	U.S. Social Security Administration	Waycross city	303 Isabella Street	Waycross	Government, Government Offices	295380.00
69946	Veterinary Clinic- Dr. Flanders	Waycross city	102 Darling Avenue	Waycross	Medical, Private	187506.00
69947	Southeast Health District	Waycross city	1101 Church Street	Waycross	Medical, Clinics	742421.00
69948	Ware County BOE Center Elementary	Waycross city	2114 Dorothy Street	Waycross	Education, K - 12	5511923.00

Critical Facilities Inventory

2022

Ware-Waycross

Id	Name	Jurisdiction	Address	City	Facility Types	Building Value
69949		Waycross			Education, K -	
☐	Ware County BOE Central Office☐	city☐	1301 Bailey Street☐	Waycross☐	12☐	1055256.00☐
69950	Ware County BOE Ruskin	Ware			Education, K -	
☐	Elementary☐	County☐	3550 Valdosta Highway☐	Waycross☐	12☐	5887108.00☐
69951		Ware	2800 South Lakeview		Emergency	
☐	Ware County FD #5 Boggy Bay☐	County☐	Drive☐	Waycross☐	Services, Fire	
69952	Ware County BOE Williams Heights	Waycross			Fighters☐	72740.00☐
☐	Elementary☐	city☐	702 Dewey Street☐	Waycross☐	Education, K -	
69953		Ware			12☐	5887108.00☐
☐	Ware County FD #3 Southeast☐	County☐	250 Vickers Road☐	Waycross☐	Emergency	
69954		Waycross			Services, Fire	
☐	Waycross FD Station #2☐	city☐	1700 Riverside Drive☐	Waycross☐	Fighters☐	122449.00☐
69955		Waycross			Emergency	
☐	Waycross FD Station #3☐	city☐	126 Havana Avenue☐	Waycross☐	Services, Fire	
69956		Waycross			Fighters☐	592435.00☐
☐	Waycross Gravity Feed/Rib Bldg☐	city☐	1130 Tebeau Street☐	Waycross☐	Emergency	
69957	Waycross Health Rehabilitation	Waycross			Services, Fire	
☐	Center☐	city☐	1910 Dorothy Street☐	Waycross☐	Fighters☐	288168.00☐
69958	Waycross Housing Authority- Butler	Waycross			NGO, Private☐	172052.00☐
☐	Admin. Office☐	city☐	301 Butler Street☐	Waycross☐	Government,	
69959	Waycross Housing Authority-	Waycross			Non-Profit☐	575378.00☐
☐	Elizabeth Pk.☐	city☐	101-170 Reagan Circle☐	Waycross☐	Government,	
69960	Waycross Housing Authority-	Waycross	Bernice/MLK/Tebeau/Clou		Non-Profit☐	1685820.00☐
☐	Northside1 ☐	city☐	gh☐	Waycross☐	Government,	
69961	Waycross Housing Authority-	Waycross	Folks/MLK/Tebeau/Thoma		Non-Profit☐	431453.00☐
☐	Northside 2☐	city☐	s☐	Waycross☐	Government,	
69962	Waycross Housing Authority	Waycross	Pendleton/Thomas/Tebea		Non-Profit☐	704968.00☐
☐	Northside 3☐	city☐	u☐	Waycross☐	Government,	
69963	City of Waycross Public Works	Waycross			Non-Profit☐	1384007.00☐
☐	Complex☐	city☐	629 Satilla Lane☐	Waycross☐	Government,	
69964		Waycross			Water/Sewer☐	1266417.00☐
☐	Cemetery Main Office☐	city☐	2410 Alice Street☐	Waycross☐	Government,	
69965		Waycross			Non-Profit☐	20000.00☐
☐	Waycross PD Detective Office☐	city☐	407 Pendleton Street☐	Waycross☐	Law	
69966	Waycross Public Works	Waycross			Enforcement,	
☐	Office/Storage☐	city☐	629 Satilla Lane☐	Waycross☐	Police☐	115503.00☐
69967		Waycross			Government,	
☐	Waycross Bank and Trust☐	city☐	501 Tebeau Street☐	Waycross☐	Water/Sewer☐	1266417.00☐
69968	Waycross-Ware County Public	Waycross			NGO, Private☐	1035404.00☐
☐	Library☐	city☐	401 Lee Avenue☐	Waycross☐	Education,	
69969	Waycross Water Treatment	Waycross			Library☐	1959235.00☐
☐	Facility☐	city☐	512 Alice Street☐	Waycross☐	Government,	
69970		Waycross			Water/Sewer☐	172052.00☐
☐	Waycross Water Storage System☐	city☐	2308 Memorial Drive☐	Waycross☐	Government,	
69971		Waycross			Water/Sewer☐	300000.00☐
☐	Ameris Bank☐	city☐	501 Haines Avenue☐	Waycross☐	NGO, Private☐	584250.00☐

Critical Facilities Inventory

2022

Ware-Waycross

Id	Name	Jurisdiction	Address	City	Facility Types	Building Value
69972	GA Dept. of Community Affairs (DCA)	Waycross city	500 Alice Street	Waycross	Government, Government Offices	318534.00
69973	Saint James Day Care Center	Waycross city	805 Summit Street	Waycross	NGO, Day Care	133175.00
69974	YMCA Kennedy Childcare Center	Waycross city	1709 Boulevard Square	Waycross	NGO, Day Care	179329.00
69975	YMCA Waycross Family Daycare	Waycross city	1709 Boulevard Square	Waycross	NGO, Day Care	2074319.00
69976	Ware County BOE Memorial Stadium	Waycross city	715 Dewey Street	Waycross	Education, K - 12	6739501.00
69977	Ware County Health Department	Waycross city	604 Riverside Avenue	Waycross	Medical, Clinics	1428873.00
69978	Ware County Senior Center	Waycross city	1615 Carswell Avenue	Waycross	Government, Day Care	507678.00
69979	Waycross Public Works	Waycross city	629 Satilla Lane	Waycross	Government, Water/Sewer	1266417.00
69980	White House Personal Care	Waycross city	452 State Street	Waycross	NGO, NH	329410.00
69981	Ware BOE Daffodil Pre-K School	Waycross city	1321 Buchanon St.	Waycross	Education, Pre K	3008788.00
69982	C.C. McCray City Auditorium	Waycross city	865 Pendleton Street	Waycross	Government, Government Offices	493278.00
69983	Concerted Services Hazzard Hill Head Start	Waycross city	1403 Pendergast Street	Waycross	Education, Pre K	483233.00
69984	United 1st Credit Union	Waycross city	2098 Brunswick Highway	Waycross	NGO, Private	1243677.00
69985	Primesouth Bank	Waycross city	530 Memorial Drive	Waycross	NGO, Private	1847818.00
69986	Central Baptist Church	Waycross city	201 Ava Street	Waycross	NGO, Non-Profit	4445232.00
69987	Unison Behavioral Health	Waycross city	1007 Mary St.	Waycross	NGO, Clinics	779337.00
69988	CSX Rice Yard	Waycross city	115 Glenmore Avenue	Waycross	NGO, Private	3000000.00
69989	Children First Daycare at Methodist Ch.	Waycross city	410 Williams St.	Waycross	NGO, Day Care	975938.00
70057	Waring Apts. (Senior Living)	Waycross city	806 E. Waring Street	Waycross	NGO, ALF	719709.00
70060	Waycross Animal Services	Waycross city	1501 Blackwell Street	Waycross	Medical, Private	113454.00
70064	Hospice House	Waycross city	811 Beacon Lane	Waycross	Medical, NH	319146.00
70065	Ware County Public Works	Ware County	3699 Harris Road	Waycross	Government, Water/Sewer	465176.00
70066	Jim Blackburn Public Safety Training Ctr.	Ware County	Scappa Road	Waycross	Government, Fire Fighters	490845.00
70067	Brantley Gas (Propane Facility)	Waycross city	1244 Albany Avenue	Waycross	NGO, Fire Fighters	167133.00
70070	United Community Bank	Waycross city	1010 Plant Avenue	Waycross	NGO, Private	440334.00

Critical Facilities Inventory

2022

Ware-Waycross

Id	Name	Jurisdiction	Address	City	Facility Types	Building Value
70071		Waycross				
70071	Walmart Neighborhood Market	city	1630 Plant Avenue	Waycross	NGO, Private	2912006.00
69990	Monroe Communications/Cell Tower	Ware County	570 Pafford Road	Waycross	NGO, Communications	450016.00
69991	Satilla Animal Hospital	Waycross city	511 City Boulevard	Waycross	Medical, Private	633147.00
69992	Satilla RWSA (Water Tower)	Ware County	1285 Nevada Avenue	Waycross	Government, Water/Sewer	300000.00
69993	Waycross Wastewater Treatment Plant	Waycross city	2900 Lakeview Drive	Waycross	Government, Water/Sewer	58400.00
69994	Waycross City Hall	Waycross city	417 Pendleton Street	Waycross	Government, City Hall	624305.00
69995	Ware County Courthouse	Waycross city	800 Church St	Waycross	Government, Court House	5143531.00
69996	Ware County BOE Middle School	Ware County	2301 Cherokee Street	Waycross	Education, K - 12	5690048.00
69997	Carolina Skiff	Ware County	3231 Fulford Road	Waycross	NGO, Private	3279042.00
69998	Coastal Pines Conference Center	Waycross city	1701 Carswell Avenue	Waycross	NGO, Private	1941259.00
69999	Ware County Shooting Complex	Ware County	950 New Mexico Ave.	Waycross	Government, Sheriff	1008442.00
70000	Lewis and Raulerson Fuel	Ware County	1759 State Street	Waycross	NGO, Private	1014346.00
70001	Lion's Camp for the Blind	Ware County	5626 Laura Walker Road	Waycross	Education, Private	15844648.00
70002	Ware County BOE Wacona Elementary	Ware County	3101 State Street	Waycross	Education, K - 12	5443208.00
70003	Ware County BOE Ware High School	Waycross city	700 Victory Drive	Waycross	Education, K - 12	49121282.00
70004	Ware County BOE Memorial Drive Elementary	Waycross city	2580 Ambrose Street	Waycross	Education, K - 12	1517478.00
70005	Republic Waste Systems	Ware County	3473 Harris Road	Waycross	NGO, Private	691762.00
70006	Voith Fabrics	Ware County	2500 Scapa Road	Waycross	NGO, Private	4349564.00
70007	Walmart Superstore	Waycross city	2425 Memorial Drive	Waycross	NGO, Private	9752306.00
70008	Trinity United Methodist Church	Waycross city	1005 Church Street	Waycross	NGO, Non-Profit	895275.00
70009	Second Baptist Child Care Center	Ware County	301 Tomberlin Road	Waycross	NGO, Day Care	3454440.00
70010	GA DOC RYDC	Ware County	3275 Harris Road	Waycross	Government, Jails	693223.00
70011	Acts 20 church Under God	Ware County	2913 Albany Avenue. Ext	Waycross	NGO, Non-Profit	607638.00
70012	Laura Walker State Park	Ware County	5653 Laura Walker Road	Waycross	Government, Government Offices	4621418.00
70013	Ware County FD #8 Pebble Hill	Ware County	3199 Pebble Hill Road	Waycross	Emergency Services, Fire Fighters	78483.00

Critical Facilities Inventory

2022

Ware-Waycross

Id	Name	Jurisdiction	Address	City	Facility Types	Building Value
70014		Ware			Law Enforcement,	
☐	Ware County Jail☐	County☐	3489 Harris Road☐	Waycross☐	Jails☐	12847927.00☐
70015		Ware			Government,	
☐	Satilla RWSA (Water Tower)☐	County☐	2380 Swamp Road☐	Waycross☐	Water/Sewer☐	126200.00☐
70016		Ware			NGO, Private☐	
☐	Scotbilt Homes☐	County☐	Industrial Park☐	Waycross☐	NGO, Private☐	2702138.00☐
70017		Ware			NGO, Private☐	
☐	Simmons Bedding☐	County☐	3450 Simons Drive☐	Waycross☐	NGO, Private☐	6783448.00☐
70018		Ware			Government,	
☐	Waycross-Ware County Airport☐	County☐	3098 Keen Drive ☐	Waycross☐	Transportation☐	8670393.00☐
70019		Ware			Emergency	
☐	Ware County FD #1 Industrial Park☐	County☐	3411 Harris Road☐	Waycross☐	Services, Fire	2679784.00☐
70020		Ware			Education,	
☐	Ware County Development Center☐	County☐	3201 Harris Road☐	Waycross☐	Prisons☐	964136.00☐
70021		Ware			Emergency	
☐	Ware County FD #6 Dixie Union☐	County☐	6586 Alma Highway☐	Waycross☐	Services, Fire	66853.00☐
70022		Ware			Emergency	
☐	Ware County FD #4 Emerson Park☐	County☐	2510 Alabama Avenue☐	Waycross☐	Services, Fire	133292.00☐
70023		Ware			Government,	
☐	Trembling Earth Recreation Center☐	County☐	2100 Cecil Brown Drive☐	Waycross☐	Government	3581648.00☐
70024		Waycross			Medical, Medical	
☐	Public Health Lab☐	city☐	1751 Guss Karl Parkway☐	Waycross☐	Offices☐	4410651.00☐
70025		Ware			Law	
☐	Ware County Public Safety Admin Building☐	County☐	3395 Harris Road☐	Waycross☐	Enforcement,	2890131.00☐
70026		Ware			NGO, Non-	
☐	Exchange Club/Okefenokee Fairgrounds☐	County☐	2451 Knight Avenue☐	Waycross☐	Profit☐	855479.00☐
70027		Ware			Education,	
☐	Southside Christian School☐	County☐	3439 Knight Avenue☐	Waycross☐	Private☐	7782788.00☐
70028		Ware			Education,	
☐	South GA State College Administration Building☐	County☐	2001 South Georgia Parkway☐	Waycross☐	University☐	6811911.00☐
70029		Waycross			Government,	
☐	Waycross Water System Storage☐	city☐	Stephenson Street☐	Waycross☐	Water/Sewer☐	300000.00☐
70030		Waycross			Government,	
☐	Waycross Water System Storage☐	city☐	1603 MLK Drive☐	Waycross☐	Water/Sewer☐	302352.00☐
70031		Waycross			Government,	
☐	Waycross Water System Storage☐	city☐	1506 Marion St.☐	Waycross☐	Water/Sewer☐	23306.00☐
70032		Ware			NGO, Private☐	
☐	Sherrod Vans☐	County☐	Industrial Boulevard☐	Waycross☐	NGO, Private☐	2765677.00☐
70033		Ware			Law	
☐	Ware County Sheriff's Office☐	County☐	3487 Harris Road☐	Waycross☐	Enforcement,	12583546.00☐
					Sheriff☐	

Critical Facilities Inventory

2022

Ware-Waycross

Id	Name	Jurisdiction	Address	City	Facility Types	Building Value
70034	Waycross FD Station #1	Waycross city	1820 Mary Street	Waycross	Emergency Services, Fire Fighters	1204119.00
70035	Waycross Housing Authority	Waycross city	301 Garlington Avenue	Waycross	Government, Offices	3280550.00
70036	Clayton Homes	Ware County	Industrial Park	Waycross	NGO, Private	2489499.00
70037	Enviva Biomass	Ware County	3131 Brown Drive	Waycross	NGO, Private	1622173.00
70038	Westport Village (55+ Housing)	Waycross city	1612 Carswell Ave.	Waycross	NGO, ALF	889102.00
70039	Ocean Breeze (Subsidized Housing)	Ware County	2001 Ocean Breeze Circle	Waycross	Government, Offices	1193309.00
70040	Georgia Dept. of Community Supervision	Waycross city	3019 Memorial Drive	Waycross	Law Enforcement, Marshalls	1656487.00
70041	GA State Highway Patrol	Ware County	3029 Memorial Drive	Waycross	Law Enforcement, State Patrol	514272.00
70042	Hasty's Communications	Waycross city	2500 Memorial Drive	Waycross	NGO, Communications	160839.00
70043	Live Oak Homes	Waycross city	2875 Fulford Road	Waycross	NGO, Private	2171278.00
70044	GATX Headquarters (Rail Car Repair Ctr.)	Waycross city	2610 Industrial Blvd	Waycross	NGO, Private	6926751.00
70045	Ware BOE Transp. Facility (Bus Barn)	Ware County	1870 W. Wacona St.	Waycross	Education, K - 12	478551.00
70046	Fuel South Inc.	Waycross city	3020 Harris Rd	Waycross	NGO, Private	1230727.00
70056	The Grove at Oakmont (Housing)	Waycross city	400 E. Waring Street	Waycross	Government, Offices	2761718.00
70059	Ware Co. Soccer Complex	Ware County	1400 Corman Road	Waycross	Government, Offices	1352542.00
70061	Ware County Animal Services	Ware County	3030 Brown Drive	Waycross	Medical, Private	216330.00
70063	Fed Ex Distribution Center	Ware County	3349 Simmons Drive	Waycross	NGO, Private	9988745.00
70068	Waycross Fire Dept. Station #4	Waycross city	701 Haines Avenue	Waycross	Emergency Services, Fire Fighters	850275.00
70069	Ware Co. Administration Bldg.	Waycross city	305 Oak Street	Waycross	Government, Court House	9960729.00
70062	Ryland Environmental (Waste Mgmt.)	Ware County	3230 Smith Drive	Waycross	NGO, Private	72834.00
70058	Satilla Bluffs Senior Ctr. (Nursing Fac.)	Waycross city	101 Satilla Bluffs Drive	Waycross	Medical, NH	1188690.00
70047	Ware County FD #2 Manor	Ware County	4625 Manor Millwood Road South	Waycross	Emergency Services, Fire Fighters	37407.00

Critical Facilities Inventory

2022

Ware-Waycross

Id	Name	Jurisdiction	Address	City	Facility Types	Building Value
70048	Ware County Fire Station #11	Ware County	4420 Stanley McDonald Road	Waycross	Emergency Services, Fire Fighters	158871.00
70049	Manor Community Center	Ware County	4650 Manor Millwood Road	Waycross	NGO, Non-Profit	3135392.00
70050	Manor Water Association	Ware County	5298 Leo Barber Rd	Waycross	NGO, Water/Sewer	212550.00
70051	Ware County FD #7 Millwood	Ware County	8069 Sawmill Road	Waycross	Emergency Services, Fire Fighters	32681.00
70052	Ware County FD #10 Bickley	Ware County	6160 Bickley Highway	Waycross	Emergency Services, Fire Fighters	32681.00
70053	Ware County FD #9 Waresboro	Ware County	3280 West Church Street	Waycross	Emergency Services, Fire Fighters	29469.00
70054	USPO Waresboro	Ware County	4308 Albany Avenue	Waycross	Government, Government Offices	200000.00
70055	Ware County BOE Waresboro Elementary	Ware County	3379 West Church Street	Waycross	Education, K - 12	1211331.00
70056	The Grove at Oakmont (Housing)	Waycross city	400 E. Waring Street	Waycross	NGO, Government Offices	2761718
70057	Waring Apts. (Senior Living)	Waycross city	806 E. Waring Street	Waycross	NGO, ALF	719709
70058	Satilla Bluffs Senior Ctr. (Nursing Fac.)	Waycross city	101 Satilla Bluffs Drive	Waycross	Medical, NH	1188690
70059	Ware Co. Soccer Complex	Ware County	1400 Corman Road	Waycross	Government, Government Offices	1352542
7060	Waycross Animal Services	Waycross city	1501 Blackwell Street	Waycross	Medical, Private	113454
7061	Ware County Animal Services	Ware County	3030 Brown Drive	Waycross	Medical, Private	216330
7062	Ryland Environmental (Waste Mgmt.)	Ware County	3230 Smith Drive	Waycross	NGO, Private	72834
7063	Fed Ex Distribution Center	Ware County	3349 Simmons Drive	Waycross	NGO, Private	9988745
7064	Hospice House	Waycross city	811 Beacon Lane	Waycross	Medical, NH	319146
7065	Ware County Public Works	Ware County	3699 Harris Road	Waycross	Government, Water/Sewer	465176
7066	Jim Blackburn Public Safety Training Ctr.	Ware County	Scappa Road	Waycross	Government, Fire Fighters	490845
7077	Brantley Gas (Propane Facility)	Waycross city	1244 Albany Avenue	Waycross	NGO, Private	167133
7078	Waycross Fire Dept. Station #4	Waycross city	701 Haines Avenue	Waycross	Emergency Services, Fire Fighters	850275

Ware-Waycross

Id	Name	Jurisdiction	Address	City	Facility Types	Building Value
7079	Ware Co. Administration Bldg.	Waycross city	305 Oak Street	Waycross	Government, Court House	9960729
7080	United Community Bank	Waycross city	1010 Plant Avenue	Waycross	NGO, Private	440334
7081	Walmart Neighborhood Market	Waycross city	1630 Plant Avenue	Waycross	NGO, Private	2912006

Appendix G



Hazard Risk Analyses Supplement to the Ware County Joint Hazard Mitigation Plan



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Introduction

The Federal Disaster Mitigation Act of 2000 (DMA2K) requires state, local, and tribal governments to develop and maintain a mitigation plan to be eligible for certain federal disaster assistance and hazard mitigation funding programs.

Mitigation seeks to reduce a hazard's impacts, which may include loss of life, property damage, disruption to local and regional economies, and the expenditure of public and private funds for recovery. Sound mitigation must be based on a sound risk assessment that quantifies the potential losses of a disaster by assessing the vulnerability of buildings, infrastructure, and people.

In recognition of the importance of planning in mitigation activities, FEMA Hazus-MH, a powerful disaster risk assessment tool based on geographic information systems (GIS). This tool enables communities of all sizes to predict estimated losses from floods, hurricanes, earthquakes, and other related phenomena and to measure the impact of various mitigation practices that might help reduce those losses.

In 2022, the Georgia Department of Emergency Management partnered with The Southern Georgia Regional Commission (SGRC) to develop a detailed risk assessment focused on defining hurricane, riverine flood and tornado impacts for Georgia. This assessment identifies the characteristics and potential consequences of the disaster, how much of the community could be affected by the disaster, and the impact on community assets. In the following years, the Georgia Association of Regional Commissions (GARC) are utilizing this workflow to define impacts in other counties in Georgia. This document provides the results for Ware County.

Risk Assessment Process Overview

Hazus-MH Version 2.2 SP1 was used to perform the analyses for Ware County. The Hazus-MH application includes default data for every county in the US. This Hazus-MH data was derived from a variety of national sources and in some cases the data are also several years old. Whenever possible, using local provided data is preferred. Ware County provided building inventory information from the county's property tax assessment system. This section describes the changes made to the default Hazus-MH inventory and the modeling parameters used for each scenario.

County Inventory Changes

The default Hazus-MH site-specific point inventory was updated using data compiled from the Georgia Emergency Management Agency (GEMA). The default Hazus-MH aggregate inventory (General Building Stock) was also updated prior to running the scenarios. Reported losses reflect the updated data sets.

General Building Stock Updates

General Building Stock (GBS) is an inventory category that consists of aggregated data (grouped by census geography — tract or block). Hazus-MH generates a combination of site-specific and aggregated loss estimates based on the given analysis and user input.

The GBS records for Ware County were replaced with data derived from parcel and property assessment data obtained from Ware County. The county provided property assessment data was current as of August 2022 and the parcel data current as of August 2022. Records without improvements were deleted. The parcel boundaries were converted to parcel points located in the centroids of each parcel boundary; then, each parcel point was linked to an assessor record based upon matching parcel numbers. The parcel assessor match-rate for Ware County is **99.6%**. The

generated building inventory represents the approximate locations (within a parcel) of structures. The building inventory was aggregated by census block. Both the tract and block tables were updated. Table 1 shows the results of the changes to the GBS tables by occupancy class.

Table 1: GBS Building Exposure Updates by Occupancy Class*

General Occupancy	Default Hazus-MH		Default Hazus-MH	
	Count	Updated Count	Exposure	Updated Exposure
Agricultural	55	0	\$ 12,281,000	\$ -
Commercial	1072	958	\$ 653,661,000	\$ 754,886,000
Education	36	44	\$ 46,129,000	\$ 260,053,000
Government	47	51	\$ 32,013,000	\$ 53,559,000
Industrial	192	518	\$ 134,581,000	\$ 569,574,000
Religious	192	252	\$ 127,008,000	\$ 221,726,000
Residential	14730	15973	\$ 2,641,815,000	\$ 2,155,451,000
Total	16324	17796	\$ 3,647,488,000	\$ 4,015,249,000

*The exposure values represent the total number and replacement cost for all Ware County Buildings

For Ware County, the updated GBS was used to calculate hurricane wind losses. The flood losses and tornado losses were calculated from building inventory modeled in Hazus-MH as User-Defined Facility (UDF)¹, or site-specific points. Figure 1 shows the distribution of buildings as points based on the county provided data.

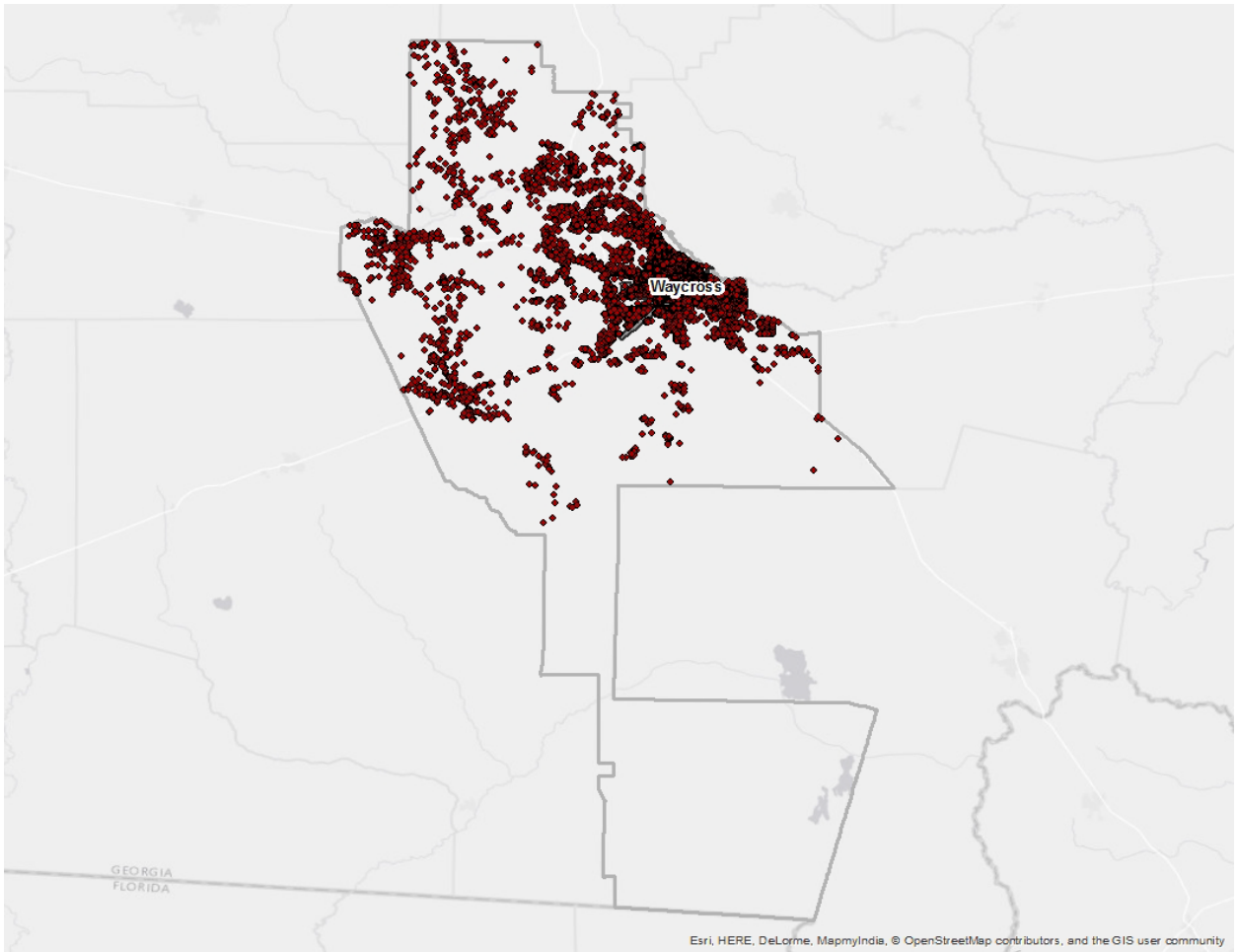


Figure 1: Ware County Overview

¹ The UDF inventory category in Hazus-MH allows the user to enter site-specific data in place of GBS data.

Essential Facility Updates

The default Hazus-MH essential facility data was updated to reflect improved information available in the Georgia Mitigation Information System (GMIS). For these risk analyses, only GMIS data for buildings that Hazus-MH classified as Essential Facilities was integrated into Hazus-MH because the application provides specialized reports for these five types of facilities. Essential Facility inventory was updated for the analysis conducted for this report. The following table summarizes the counts and exposures, where available, by Essential Facility classification of the updated data for the county.

Essential facilities include:

- Care facilities
- EOCs
- Fire stations
- Police stations
- Schools

Table 2: Updated Essential Facilities

Classification	Updated Count	Updated Exposure
Ware County		
EOC	1	\$ 289,013
Care	3	\$ 13,864,885
Fire	15	\$ 6,379,707
Police	3	\$ 13,971,343
School	13	\$ 110,217,611
Total	35	\$ 144,722,559

Classification	Updated Count	Updated Exposure
Waycross		
EOC	0	\$ -
Care	3	\$ 13,864,885
Fire	4	\$ 2,934,997
Police	2	\$ 1,387,797
School	8	\$ 84,203,128
Total	17	\$ 102,390,807

Assumptions and Exceptions

Hazus-MH loss estimates may be impacted by certain assumptions and process variances made in this risk assessment.

- The Ware County analysis used Hazus-MH Version 2.2 SP1, which was released by FEMA in May 2015.
- County provided parcel and property assessment data may not fully reflect all buildings in the county. For example, some counties do not report not-for-profit buildings such as government buildings, schools and churches in their property assessment data. This data was used to update the General Building Stock as well as the User Defined Facilities applied in this risk assessment.
- GBS updates from assessor data will skew loss calculations. The following attributes were defaulted or calculated:
 - Foundation Type was set from Occupancy Class
 - First Floor Height was set from Foundation Type
 - Content Cost was calculated from Replacement Cost
- It is assumed that the buildings are located at the centroid of the parcel unless building footprints are used. For this analysis of Ware County, parcel centroids were used.
- The essential facilities extracted from the GMIS were only used in the portion of the analysis designated as essential facility damage. They were not used in the update of the General Building Stock or the User Defined Facility inventory.

The hazard models included in this risk assessment included:

- Hurricane assessment which was comprised of a wind only damage assessment
- Flood assessment based on the 1% annual chance event that includes riverine assessments
- Tornado assessment based on GIS modeling

Hurricane Risk Assessment

Hazard Definition

The National Hurricane Center describes a hurricane as a tropical cyclone in which the maximum sustained wind is, at minimum, 74 miles per hour (mph)². The term hurricane is used for Northern Hemisphere tropical cyclones east of the International Dateline to the Greenwich Meridian. The term typhoon is used for Pacific tropical cyclones north of the Equator west of the International Dateline. Hurricanes in the Atlantic Ocean, Gulf of Mexico, and Caribbean form between June and November with the peak of hurricane season occurring in the middle of September. Figure 2 shows that many hurricanes have impacted the Atlantic and Gulf coasts of the United States.

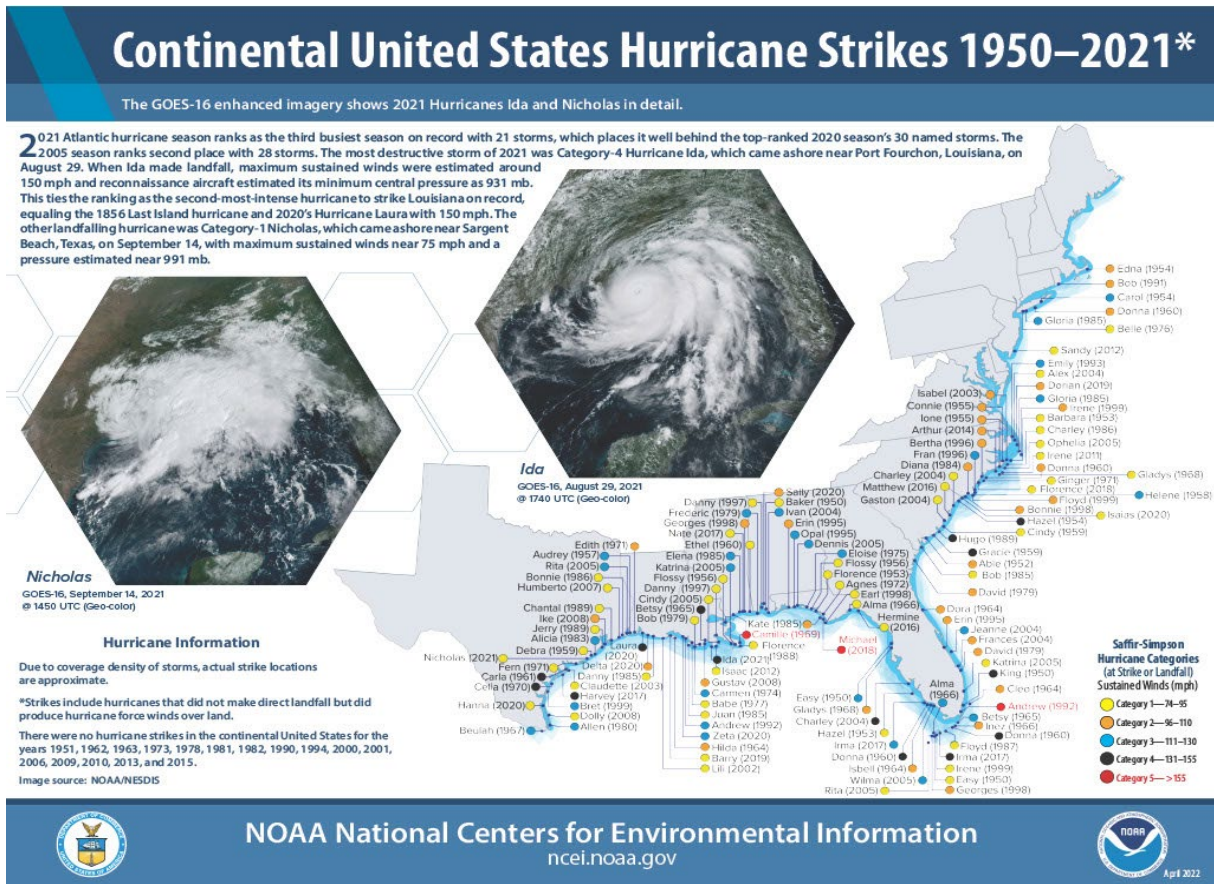


Figure 2: Continental United States Hurricane Strikes: 1950 to 2021³ Hurricane intensities are measured using the Saffir-Simpson Hurricane Wind Scale (Table 3). This scale is a 1 to 5 categorization based on the hurricane's intensity at the indicated time.

² National Hurricane Center (2011). "Glossary of NHC Terms." National Oceanic and Atmospheric Administration. <http://www.nhc.noaa.gov/aboutgloss.shtml#h>. Retrieved 2-23-2012.

³ Source: NOAA National Climatic Data Center

Table 3: Saffir-Simpson Hurricane Wind Scale

Category	Wind Speed (mph)	Damage
1	74 – 95	Very dangerous winds will produce some damage
2	96 – 110	Extremely dangerous winds will cause extensive damage
3	111 - 130	Devastating damage will occur
4	131 -155	Catastrophic damage will occur
5	> 155	Catastrophic damage will occur

Hurricanes bring a complex set of impacts. The winds from a hurricane produce a rise in the water level at landfall called storm surge. Storm surges produce coastal flooding effects that can be as damaging as the hurricane’s winds. Hurricanes bring very intense inland riverine flooding. Hurricanes can also produce tornadoes that can add to the wind damages inland. In this risk assessment, only hurricane winds, and coastal storm surge are considered.

The National Oceanic and Atmospheric Administration’s National Hurricane Center created the HURDAT database, which contains all of the tracks of tropical systems since the mid-1800s. This database was used to document the number of tropical systems that have affected Ware County by creating a 20-mile buffer around the county to include storms that didn’t make direct landfall in Ware County but impacted the county. Since 1851, Ware County has had 84 tropical systems within 20 miles of its county borders (Table 4).

Table 4: Tropical Systems affecting Ware County

Year	Month	Day	Name	Wind (Knots)	Category	Year	Month	Day	Name	Wind (Knots)	Category
1868	October	4	NOTNAMED	50	TS	1924	September	16	NOTNAMED	40	TS
1868	October	5	NOTNAMED	40	TS	1924	September	30	NOTNAMED	55	E
1871	August	18	NOTNAMED	60	TS	1926	July	29	NOTNAMED	50	TS
1871	August	18	NOTNAMED	60	TS	1932	September	15	NOTNAMED	45	TS
1871	August	18	NOTNAMED	50	TS	1935	September	5	NOTNAMED	60	TS
1871	August	23	NOTNAMED	60	TS	1935	September	5	NOTNAMED	60	TS
1871	August	23	NOTNAMED	50	TS	1938	October	24	NOTNAMED	40	TS
1871	October	6	NOTNAMED	40	TS	1946	October	8	NOTNAMED	40	TS
1871	October	6	NOTNAMED	40	TS	1946	October	8	NOTNAMED	35	TS
1873	June	2	NOTNAMED	40	TS	1947	September	24	NOTNAMED	50	TS
1873	September	19	NOTNAMED	60	TS	1947	September	24	NOTNAMED	45	TS
1877	September	20	NOTNAMED	40	TS	1947	October	7	NOTNAMED	40	TS
1877	September	20	NOTNAMED	40	TS	1947	October	7	NOTNAMED	35	TS
1878	October	11	NOTNAMED	40	TS	1947	October	8	NOTNAMED	25	TD
1880	September	8	NOTNAMED	40	TS	1949	August	28	NOTNAMED	50	TS
1882	October	11	NOTNAMED	60	TS	1949	August	28	NOTNAMED	45	TS
1882	October	11	NOTNAMED	50	TS	1950	September	7	EASY	40	TS
1885	August	31	NOTNAMED	40	TS	1953	September	20	NOTNAMED	40	TS
1885	September	21	NOTNAMED	40	TS	1953	September	27	FLORENCE	50	E
1885	October	12	NOTNAMED	50	TS	1953	September	27	FLORENCE	40	E
1885	October	12	NOTNAMED	50	TS	1957	June	9	NOTNAMED	35	TS
1888	September	9	NOTNAMED	45	TS	1957	June	9	NOTNAMED	35	TS
1888	September	9	NOTNAMED	40	TS	1960	July	29	BRENDA	30	TD
1893	June	16	NOTNAMED	50	TS	1964	October	5	HILDA	35	E
1896	September	29	NOTNAMED	100	H3	1966	June	10	ALMA	55	TS
1898	October	2	NOTNAMED	90	H2	1970	May	25	ALMA	25	TD
1902	June	15	NOTNAMED	40	TS	1970	May	25	ALMA	25	TD
1907	June	29	NOTNAMED	45	TS	1972	May	28	ALPHA	30	SD
1907	September	29	NOTNAMED	40	TS	1976	May	23	SUBTROP1	40	SS
1911	August	5	NOTNAMED	20	TD	1976	May	24	SUBTROP1	40	SS
1911	August	5	NOTNAMED	20	TD	1987	August	16	NOTNAMED	10	TD
1912	July	15	NOTNAMED	40	TS	1987	August	17	NOTNAMED	10	TD
1912	September	6	NOTNAMED	30	TD	1996	October	8	JOSEPHINE	60	TS
1912	September	6	NOTNAMED	25	TD	1996	October	8	JOSEPHINE	45	E
1914	September	17	NOTNAMED	60	TS	1998	October	1	GEORGES	25	TD
1914	September	17	NOTNAMED	40	TS	2000	September	18	GORDON	40	TS
1915	August	2	NOTNAMED	40	TS	2000	September	18	GORDON	30	TD
1915	August	2	NOTNAMED	40	TS	2004	August	12	BONNIE	30	TD
1916	October	4	NOTNAMED	50	TS	2005	October	6	TAMMY	45	TS
1919	October	1	NOTNAMED	40	TS	2005	October	6	TAMMY	35	TS
1919	October	1	NOTNAMED	35	TS	2006	June	13	ALBERTO	35	TS
1924	September	16	NOTNAMED	45	TS	2006	June	14	ALBERTO	35	TS

Category Definitions:

TS – Tropical storm

TD – Tropical depression

CAT_1 – Category 1 (same format for 2, 3, 4 and 5)

E – Extra-tropical cyclone

Probabilistic Hurricane Scenario

The following probabilistic wind damage risk assessment modeled a Category 1 storm with maximum winds of 89 mph.

Wind Damage Assessment

Wind losses were determined from probabilistic models run for the Category 1 storm which equates to the 1% chance storm event. Figure 3 shows wind speeds for the modeled hurricane.

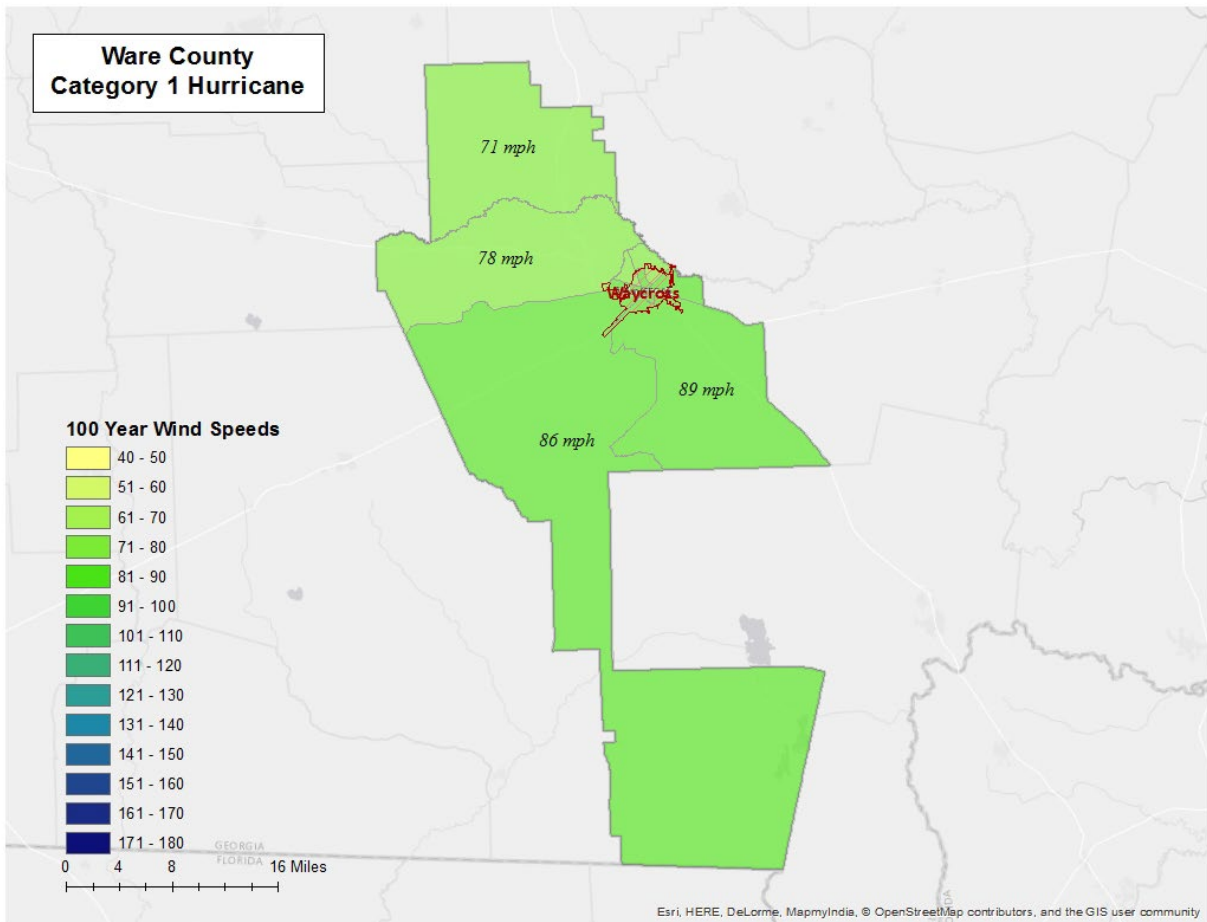


Figure 3: Wind Speeds by Storm Category

Wind-Related Building Damages

Buildings in Ware County are vulnerable to storm events, and the cost to rebuild may have significant consequences to the community. The following table shows a summary of the results of wind-related building damage in Ware County for the Category 1 (100 Year Event) storm. The loss ratio expresses building losses as a percentage of total building replacement cost in the county. Figure 4 illustrates the building loss ratios of the modeled Category 1 storm.

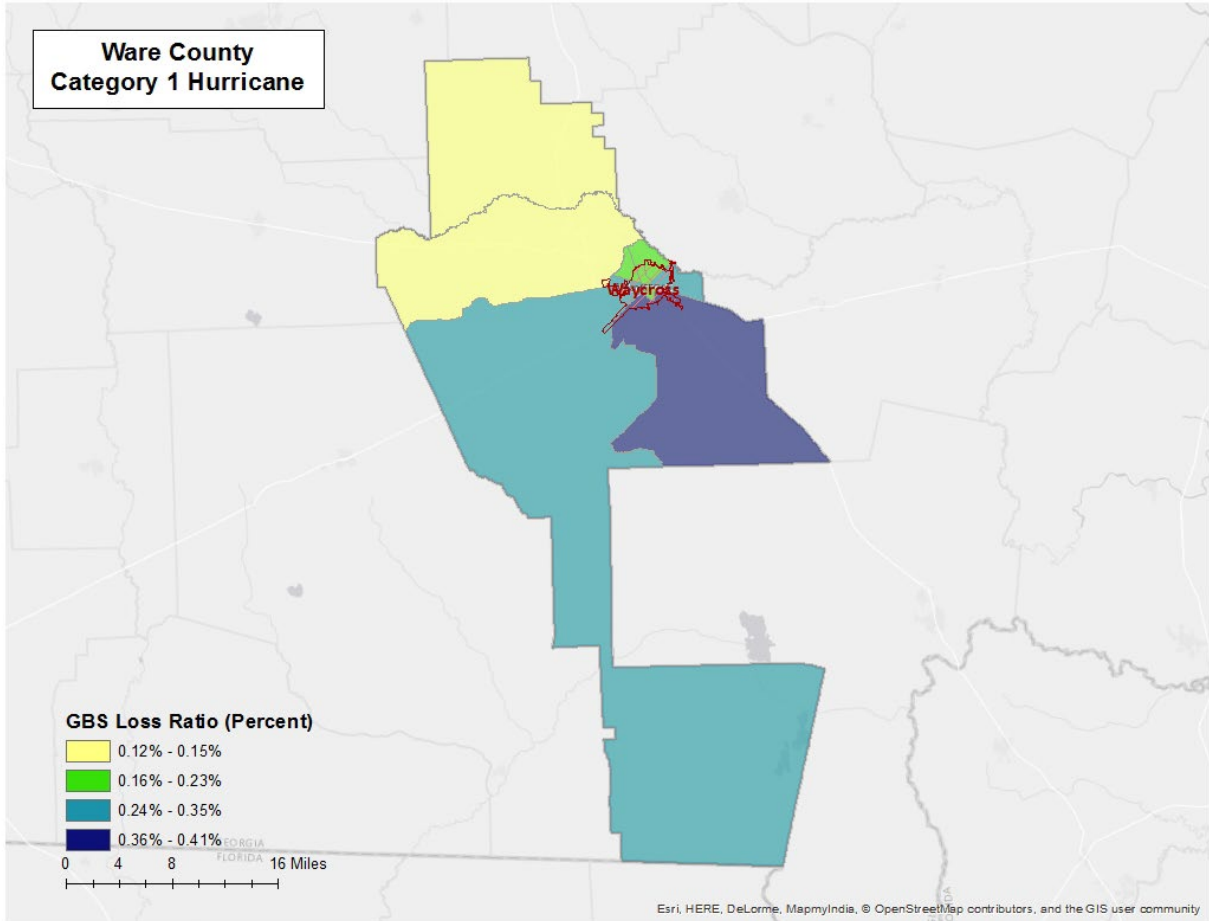


Figure 4: Hurricane Wind GBS Loss Ratios

Table 5 shows the Hurricane Wind Building Damage results including the number of buildings damaged, total building damage, and economic loss.

Table 5: Hurricane Wind Building Damage

Storm Classification	Number of Damaged Buildings	Building Damages	Total Economic Loss	Loss Ratio
Category 1	464	\$ 10,662,110	\$ 14,777,390	0.27%

Essential Facility Losses

Essential facilities are also vulnerable to storm events, and the potential loss of functionality may have significant consequences to the community. Hazus-MH identified the

There are 35 essential facilities in Ware County.

Classification	Number
EOC	1
Care	3
Fire	15
Police	3
School	13
Total	35

essential facilities that may be moderately or severely damaged by winds. The results are compiled in Table 6.

Table 6: Wind-Damaged Essential Facility Losses

Storm Classification	Facilities Moderately Damaged (>50%)	Facilities Completely Damaged (>50%)	Facilities with expected loss (<1day)
Category 1	1	0	35

Shelter Requirements

Hazus-MH estimates the number of households evacuated from buildings with severe damage from high velocity winds as well as the number of people who will require short-term sheltering. The results are listed in Table 7 and mapped in Figure 5.

Table 7: Displaced Households and People

Storm Classification	# of Displaced Households	# of People Needing Short-Term Shelter
Category 1	1	0

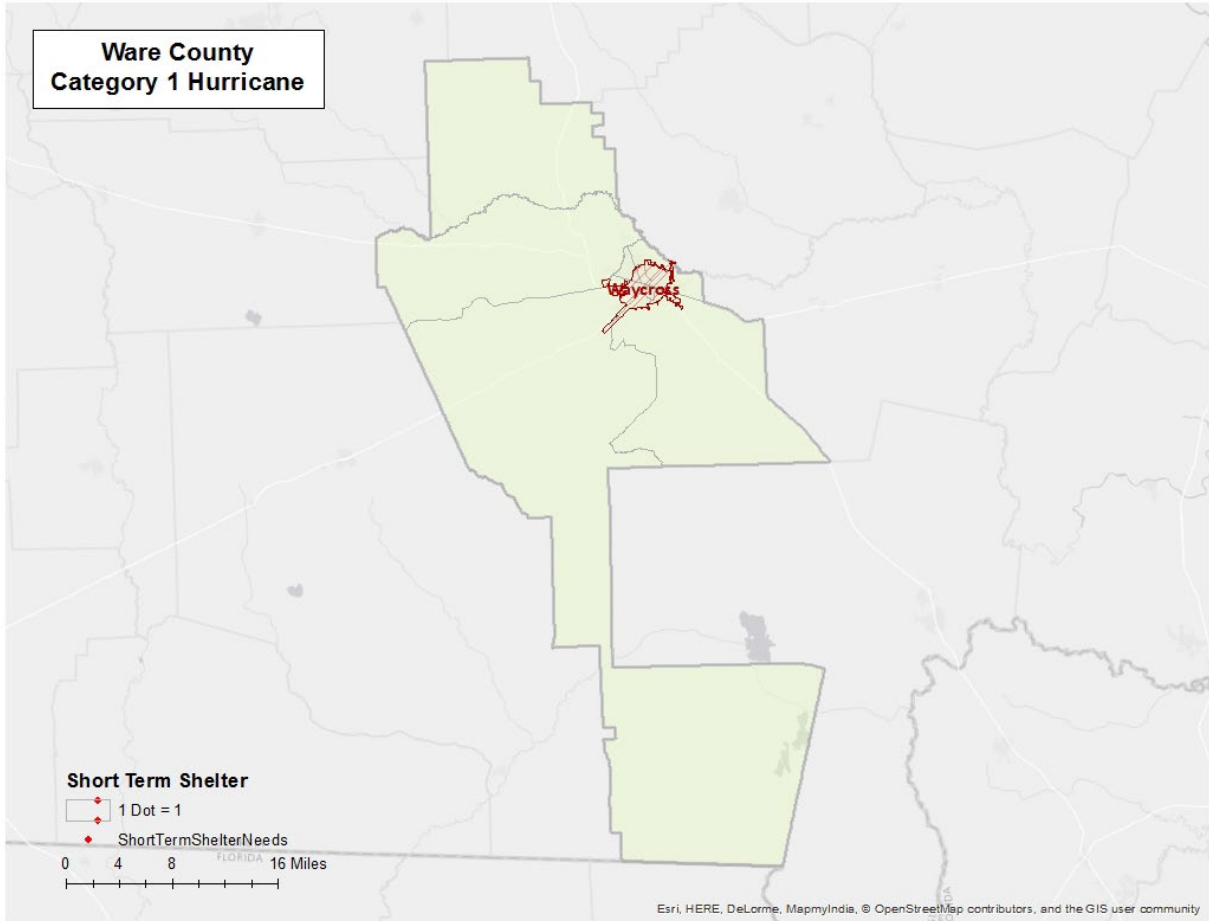


Figure 5: Hurricane Wind Shelter Requirements

Debris Generated from Hurricane Wind

Hazus-MH estimates the amount of debris that will be generated by high velocity hurricane winds and quantifies it into three broad categories to determine the material handling equipment needed:

- Reinforced Concrete and Steel Debris
- Brick and Wood and Other Building Debris
- Tree Debris

Different material handling equipment is required for each category of debris. The estimates of debris for this scenario are listed in Table 8. The amount of hurricane wind related tree debris that is estimated to require pick up at the public's expense is listed in the eligible tree debris column.

Table 8: Wind-Related Debris Weight (Tons)

Storm Classification	Brick, Wood, and Other	Reinforced Concrete/Steel	Tree Debris	Other Tree Debris	Total
Category 1	1,266	-	9,199	248,949	259,414

Figure 6 shows the distribution of all wind related debris resulting from a Category 1 hurricane. Each dot represents 20 tons of debris within the census tract in which it is located. The dots are randomly distributed within each census tract and therefore do not represent the specific location of debris sites.

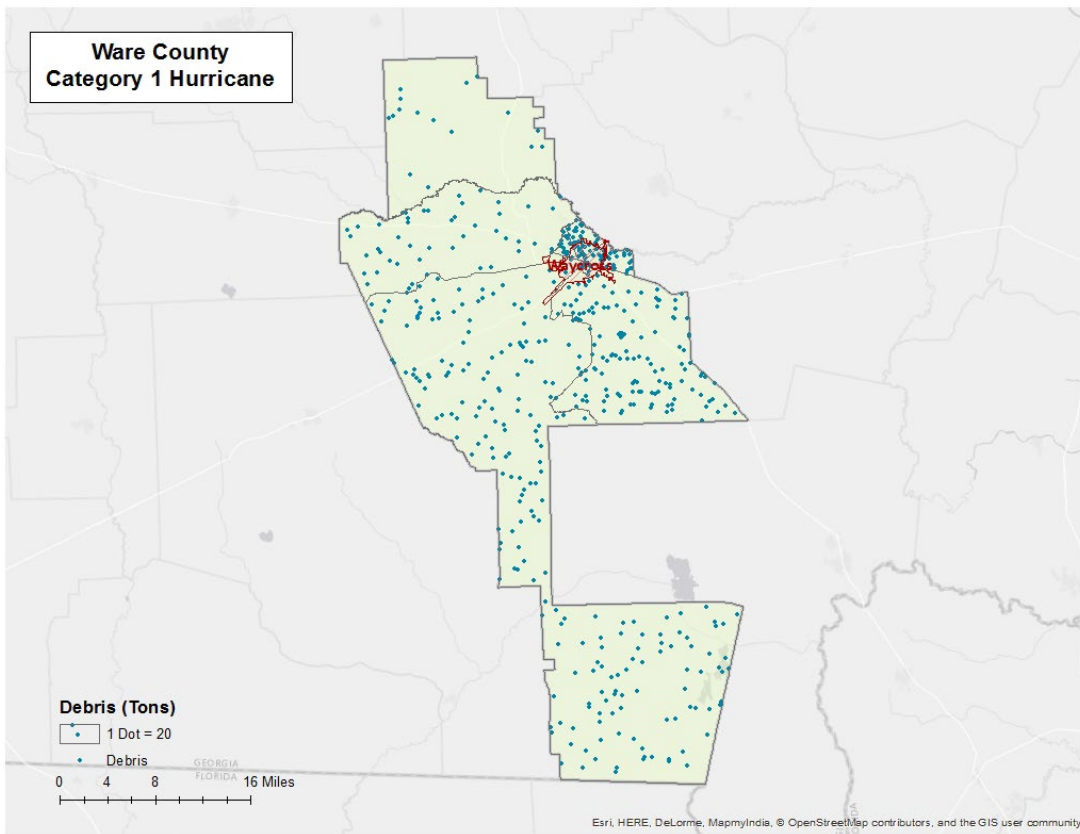


Figure 6: Wind-Related Debris Weight (Tons)

Flood Risk Assessment

Hazard Definition

Flooding is a significant natural hazard throughout the United States. The type, magnitude, and severity of flooding are functions of the amount and distribution of precipitation over a given area, the rate at which precipitation infiltrates the ground, the geometry and hydrology of the catchment, and flow dynamics and conditions in and along the river channel. Floods can be classified as one of three types: upstream floods, downstream floods, or coastal floods.

Upstream floods, also called flash floods, occur in the upper parts of drainage basins and are generally characterized by periods of intense rainfall over a short duration. These floods arise with very little warning and often result in locally intense damage, and sometimes loss of life, due to the high energy of the flowing water. Flood waters can snap trees, topple buildings, and easily move large boulders or other structures. Six inches of rushing water can upend a person; another 18 inches might carry off a car. Generally, upstream floods cause damage over relatively localized areas, but they can be quite severe in the local areas in which they occur. Urban flooding is a type of upstream flood. Urban flooding involves the overflow of storm drain systems and can be the result of inadequate drainage combined

with heavy rainfall or rapid snowmelt. Upstream or flash floods can occur at any time of the year in Georgia, but they are most common in the spring and summer months.

Downstream floods, also called riverine floods, refer to floods on large rivers at locations with large upstream catchments. Downstream floods are typically associated with precipitation events that are of relatively long duration and occur over large areas. Flooding on small tributary streams may be limited, but the contribution of increased runoff may result in a large flood downstream. The lag time between precipitation and time of the flood peak is much longer for downstream floods than for upstream floods, generally providing ample warning for people to move to safe locations and, to some extent, secure some property against damage.

Coastal floods occurring on the Atlantic and Gulf coasts may be related to hurricanes or other combined offshore, nearshore, and shoreline processes. The effects of these complex interrelationships vary significantly across coastal settings, leading to challenges in the determination of the base (1-percent-annual-chance) flood for hazard mapping purposes. Land area covered by floodwaters of the base flood is identified as a Special Flood Hazard Area (SFHA). The Ware County flood risk assessment analyzed at risk structures in the SFHA.

The SFHA is the area where the National Flood Insurance Program's (NFIP) floodplain management regulations must be enforced and the area where the mandatory purchase of flood insurance applies. The owner of a structure in a high-risk area must carry flood insurance, if the owner carries a mortgage from a federally regulated or insured lender or servicer.

The following probabilistic risk assessment involves an analysis of a 1% annual chance riverine flood event.

Riverine 1% Flood Scenario

Riverine losses were determined from the 1% flood boundaries downloaded from the FEMA Flood Map Service Center in August 2022. The flood boundaries were overlaid with the USGS 10 meter DEM using the Hazus-MH Enhanced Quick Look tool to generate riverine depth grids. The riverine flood depth grid was then imported into Hazus-MH to calculate the riverine flood loss estimates. Figure 7 illustrates the riverine inundation boundary associated with the 1% annual chance. Please note that the riverine flooding may not take into account elevated housing or raised Base Flood Elevation.

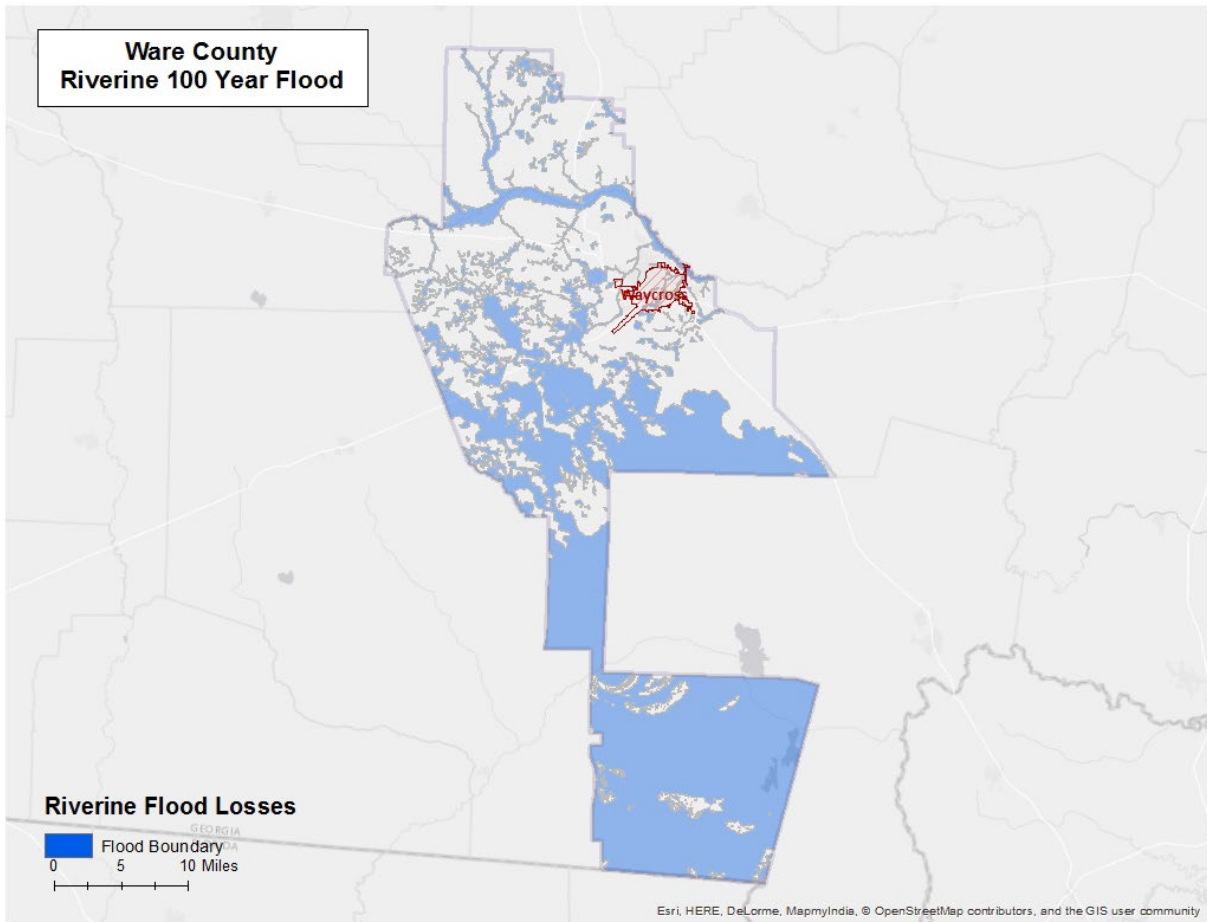


Figure 7: Riverine 1% Flood Inundation

Riverine 1% Flood Building Damages

Buildings in Ware County are vulnerable to flooding from events equivalent to the 1% riverine flood. The economic and social impacts from a flood of this magnitude can be significant. Table 9 provides a summary of the potential flood-related building damage in Ware County by jurisdiction that might be experienced from the 1% flood. Figure 8 maps the potential loss ratios of total building exposure to losses sustained to buildings from the 1% flood by 2010 census block and Figure 9 illustrates the relationship of building locations to the 1% flood inundation boundary.

Table 9: Ware County Riverine 1% Building Losses

Occupancy Classification	Total Buildings	Total Buildings Damaged	Total Building Exposure	Total Losses to Buildings	Loss Ratio of Exposed to Damaged
Waycross					
Residential	5,798	188	\$ 1,021,593,031	\$ 12,697,383	1.24%
Education	32	1	\$ 218,933,322	\$ 720,570	0.33%
Commercial	706	50	\$ 616,215,810	\$ 6,388,359	1.04%
Government	26	1	\$ 33,761,553	\$ 331	0.00%
Industrial	207	29	\$ 213,142,269	\$ 5,362,090	2.52%
Religious	124	6	\$ 116,969,719	\$ 231,673	0.20%
Unincorporated					
Residential	10,175	164	\$ 1,133,882,373	\$ 5,235,972	0.46%
Industrial	311	16	\$ 356,442,966	\$ 1,484,089	0.42%
Government	25	2	\$ 19,803,579	\$ 13,029	0.07%
Commercial	252	8	\$ 138,693,025	\$ 1,048,371	0.76%
Religious	128	1	\$ 104,760,643	\$ 95,256	0.09%
County Total					
Total	17,784	466	\$ 3,974,198,290	\$ 33,277,123	

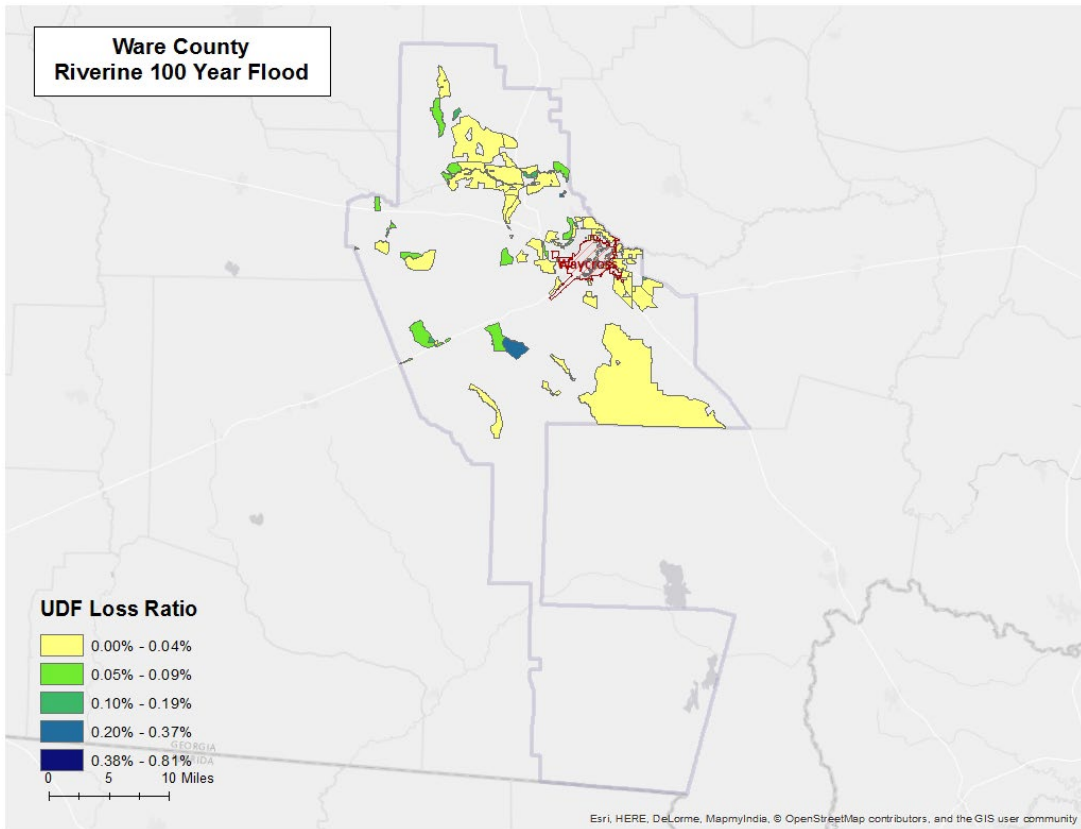


Figure 8: Potential UDF Loss Ratios from the 1% Riverine Flood

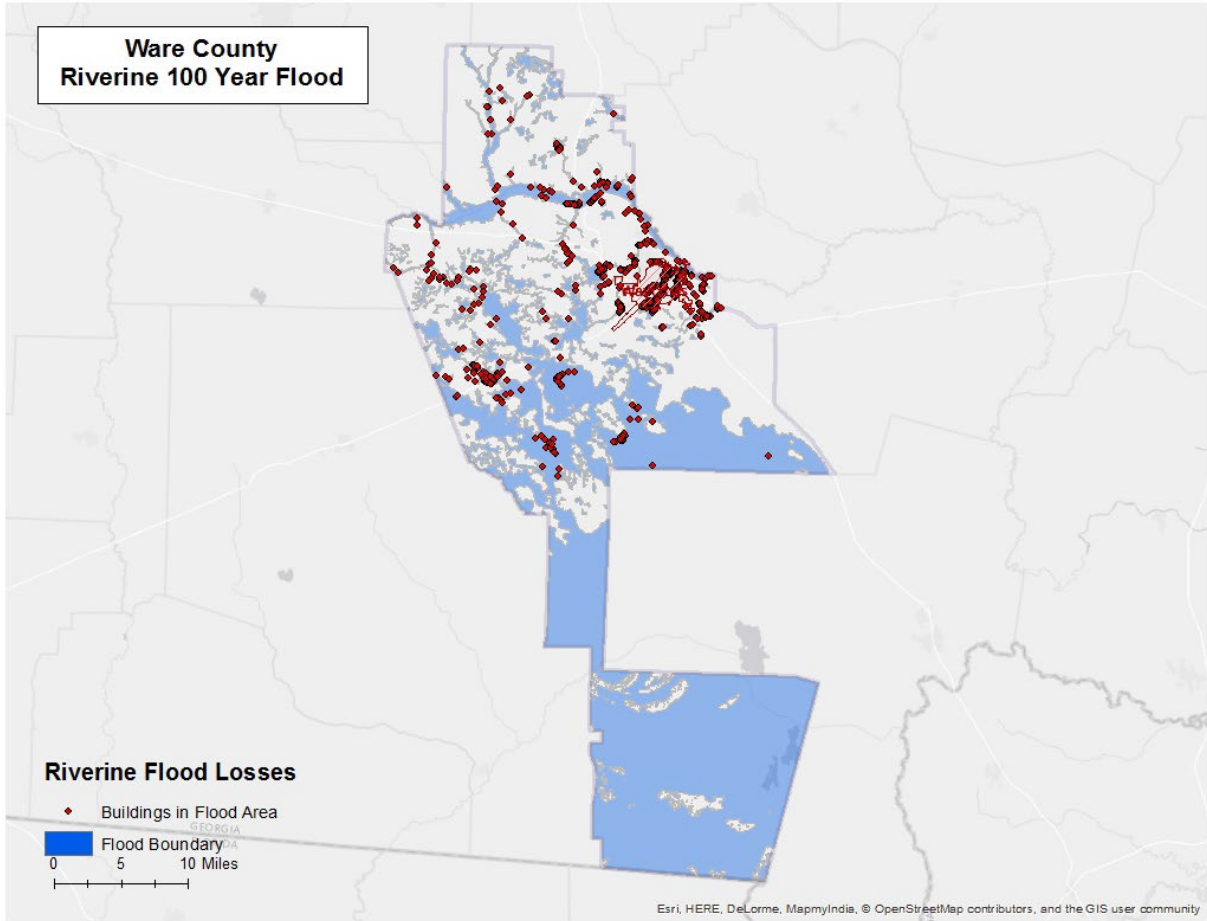


Figure 9: Damaged Buildings in 1% Riverine Flood

Riverine 1% Flood Essential Facility Losses

An essential facility may encounter many of the same impacts as other buildings within the flood boundary. These impacts can include structural failure, extensive water damage to the facility and loss of facility functionality (e.g. a damaged police station will no longer be able to serve the community). The analysis has identified that were 2 Essential Facilities subject to damage in the Ware County riverine 1% probability floodplain.

Table 10: Expected Damage to Essential Facilities in 1% Riverine Flood

Classification	Total	Moderate	Substantial	Loss of Use
Fire Station	15	1	0	1
Hospitals	3	0	0	0
Police Stations	3	0	0	0
Schools	13	1	0	1
EOCs	1	0	0	0

Riverine 1% Flood Shelter Requirements

Hazus-MH estimates that the number of households that are expected to be displaced from their homes due to riverine flooding and the associated potential evacuation. The model estimates 1,215 households might be displaced due to the flood. Displacement includes households evacuated within or very near to the inundated area. Displaced households represent 3,645 individuals, of which 1,874 may require short term publicly provided shelter. The results are mapped in Figure 10. These numbers may be overestimated for two reasons: elevated housing not taken into account and parcel centroids (not aligned exactly with actual structures).

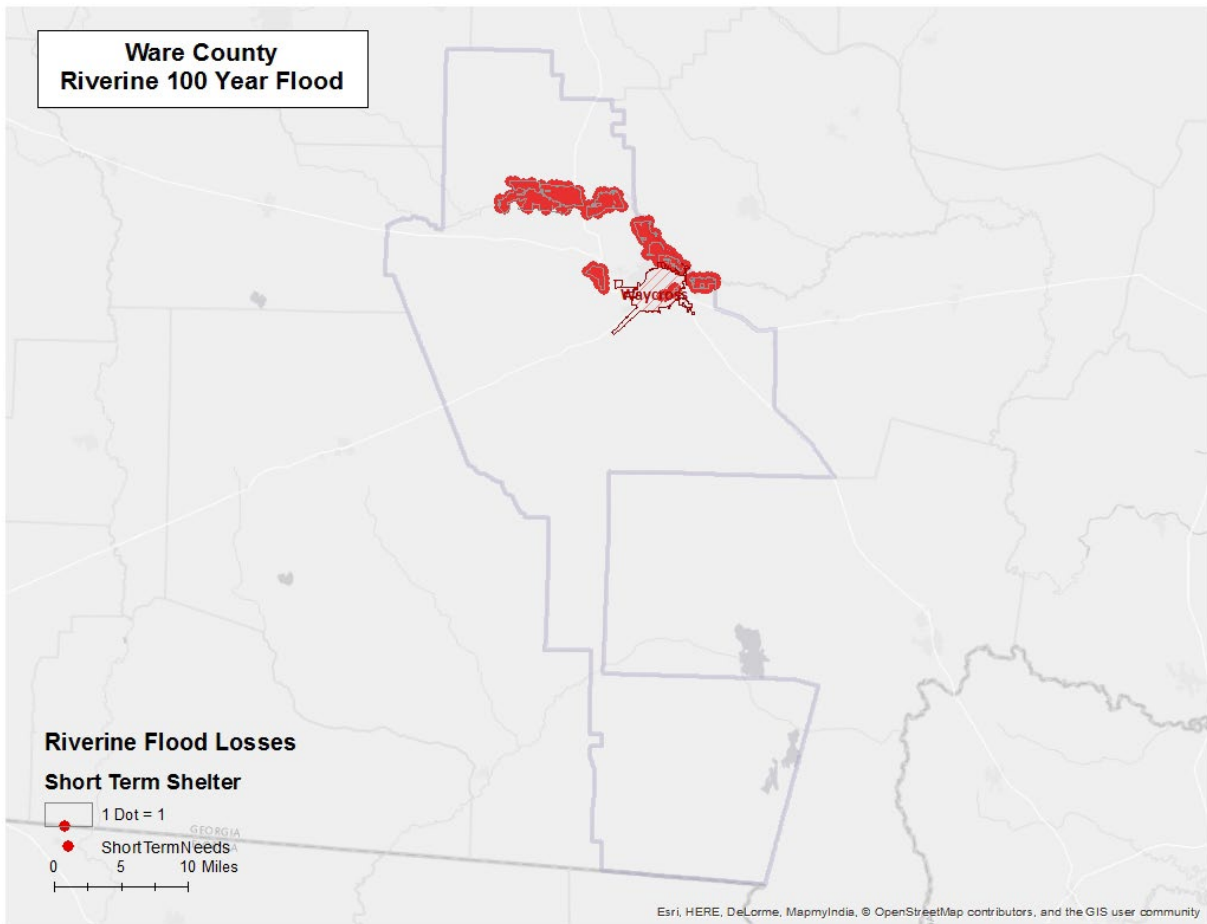


Figure 10: Estimated Flood Shelter Requirements in 1% Riverine Flood

Riverine 1% Flood Debris

Hazus-MH estimates the amount of debris that will be generated by the flood. The model breaks debris into three general categories:

- Finishes (dry wall, insulation, etc.)
- Structural (wood, brick, etc.)
- Foundations (concrete slab, concrete block, rebar, etc.)

Different types of material handling equipment will be required for each category. Debris definitions applied in Hazus-MH are unique to the Hazus-MH model and so do not necessarily conform to other definitions that may be employed in other models or guidelines.

The analysis estimates that an approximate total of 6,704 tons of debris might be generated: 1) Finishes – 4,128 tons; 2) Structural – 1,032 tons; and 3) Foundations- 1,544 tons. The results are mapped in Figure 11.

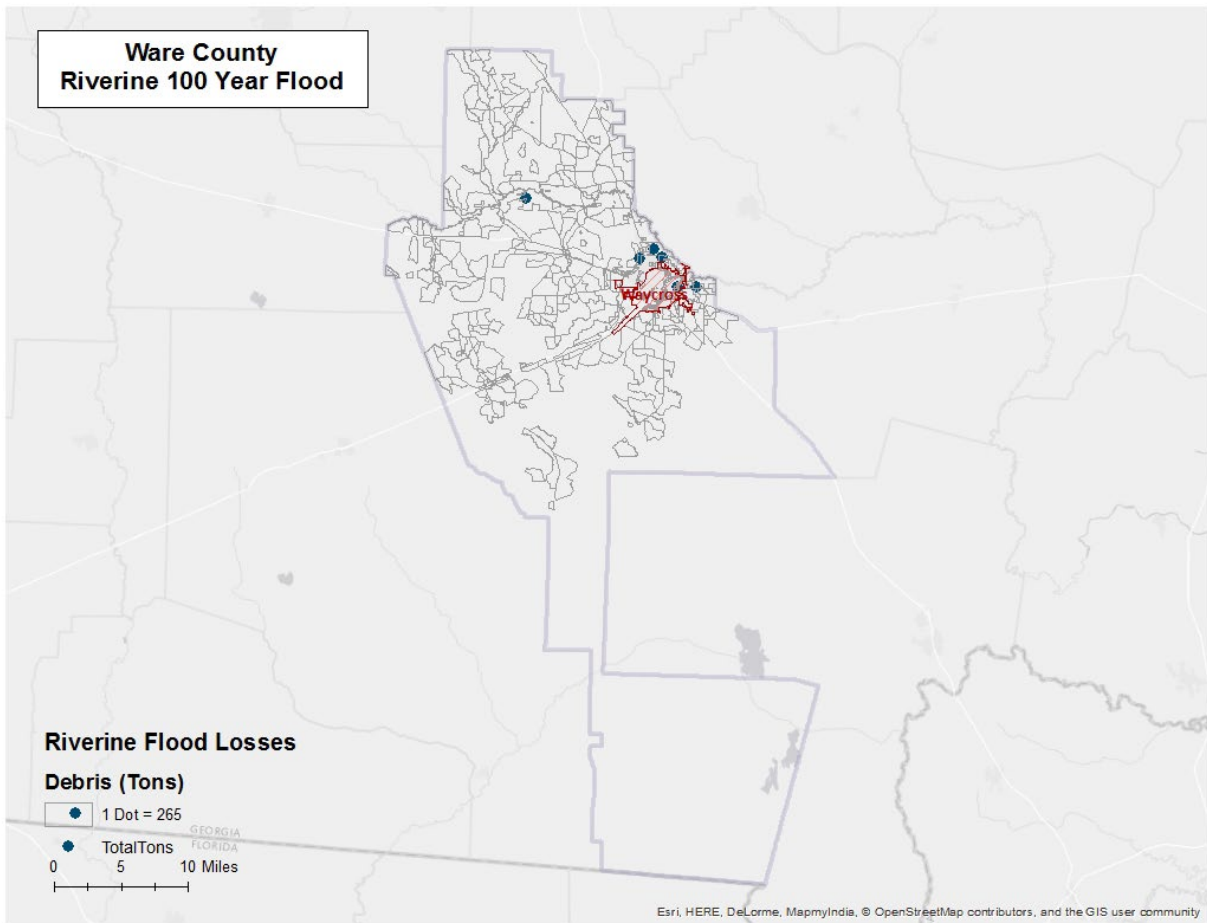


Figure 11: Flood Debris Weight (Tons) in 1% Riverine Flood

Tornado Risk Assessment

Hazard Definition

Tornadoes pose a great risk to the state of Georgia and its citizens. Tornadoes can occur at any time during the day or night. They can also happen during any month of the year. The unpredictability of tornadoes makes them one of Georgia’s most dangerous hazards. Their extreme winds are violently destructive when they touch down in the region’s developed and populated areas. Current estimates place the maximum velocity at about 300 miles per hour, but higher and lower values can occur. A wind velocity of 200 miles per hour will result in a wind pressure of 102.4 pounds per square foot of surface area—a load that exceeds the tolerance limits of most buildings. Considering these factors, it is easy to understand why tornadoes can be so devastating for the communities they hit.

Tornadoes are defined as violently-rotating columns of air extending from thunderstorms and cyclonic events. Funnel clouds are rotating columns of air not in contact with the ground; however, the violently-rotating column of air can reach the ground very quickly and become a tornado. If the funnel cloud picks up and blows debris, it has reached the ground and is a tornado.

Tornadoes are classified according to the Fujita tornado intensity scale. Originally introduced in 1971, the scale was modified in 2006 to better define the damage and estimated wind scale. The Enhanced Fujita Scale ranges from low intensity EF0 with effective wind speeds of 65 to 85 miles per hour, to EF5 tornadoes with effective wind speeds of over 200 miles per hour. The Enhanced Fujita intensity scale is included in Table 11.

Table 11: Enhanced Fujita Tornado Rating

Fujita Number	Estimated Wind Speed	Path Width	Path Length	Description of Destruction
EF0 <i>Gale</i>	65-85 mph	6-17 yards	0.3-0.9 miles	Light damage, some damage to chimneys, branches broken, sign boards damaged, shallow-rooted trees blown over.
EF1 <i>Moderate</i>	86-110 mph	18-55 yards	1.0-3.1 miles	Moderate damage, roof surfaces peeled off, mobile homes pushed off foundations, attached garages damaged.
EF2 <i>Significant</i>	111-135 mph	56-175 yards	3.2-9.9 miles	Considerable damage, entire roofs torn from frame houses, mobile homes demolished, boxcars pushed over, large trees snapped or uprooted.
EF3 <i>Severe</i>	136-165 mph	176-566 yards	10-31 miles	Severe damage, walls torn from well-constructed houses, trains overturned, most trees in forests uprooted, heavy cars thrown about.
EF4 <i>Devastating</i>	166-200 mph	0.3-0.9 miles	32-99 miles	Complete damage, well-constructed houses leveled, structures with weak foundations blown off for some distance, large missiles generated.
EF5 <i>ncredible</i>	Over 200 mph	1.0-3.1 miles	100-315 miles	Foundations swept clean, automobiles become missiles and thrown for 100 yards or more, steel-reinforced concrete structures badly damaged.

Source: <http://www.srh.noaa.gov>

Hypothetical Tornado Scenario

For this report, an EF3 tornado was modeled to illustrate the potential impacts of tornadoes of this magnitude in the county. The analysis used a hypothetical path based upon an EF3 tornado event running along the predominant direction of historical tornados (southeast to northwest). The tornado path was placed to travel through Waycross. The selected widths were modeled after a re-creation of the Fujita-Scale guidelines based on conceptual wind speeds, path widths, and path lengths. There is no guarantee that every tornado will fit exactly into one of these categories. Table 12 depicts tornado path widths and expected damage.

Table 12: Tornado Path Widths and Damage Curves

Enhanced Fujita Scale	Path Width (feet)	Maximum Expected Damage
EF5	2,400	100%
EF4	1,800	100%
EF3	1,200	80%
EF2	600	50%
EF1	300	10%

Within any given tornado path there are degrees of damage. The most intense damage occurs within the center of the damage path, with decreasing amounts of damage away from the center. After the hypothetical path is digitized on a map, the process is modeled in GIS by adding buffers (damage zones) around the tornado path. Figure 12 describes the zone analysis.

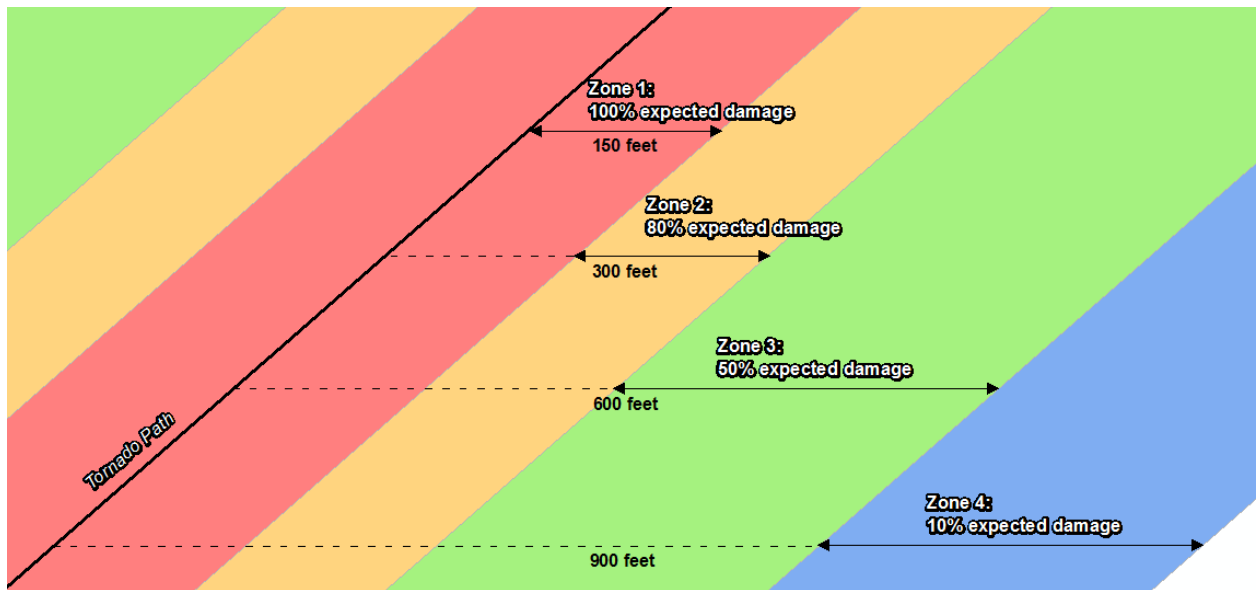


Figure 12: EF Scale Tornado Zones

An EF3 tornado has four damage zones, depicted in Table 13. Major damage is estimated within 150 feet of the tornado path. The outer buffer is 900 feet from the tornado path, within which buildings will not experience any damage. The selected hypothetical tornado path is depicted in Figure 13 and the damage curve buffer zones are shown in Figure 14.

Table 13: EF3 Tornado Zones and Damage Curves

Zone	Buffer (feet)	Damage Curve
1	0-150	80%
2	150-300	50%
3	300-600	10%
4	600-900	0%

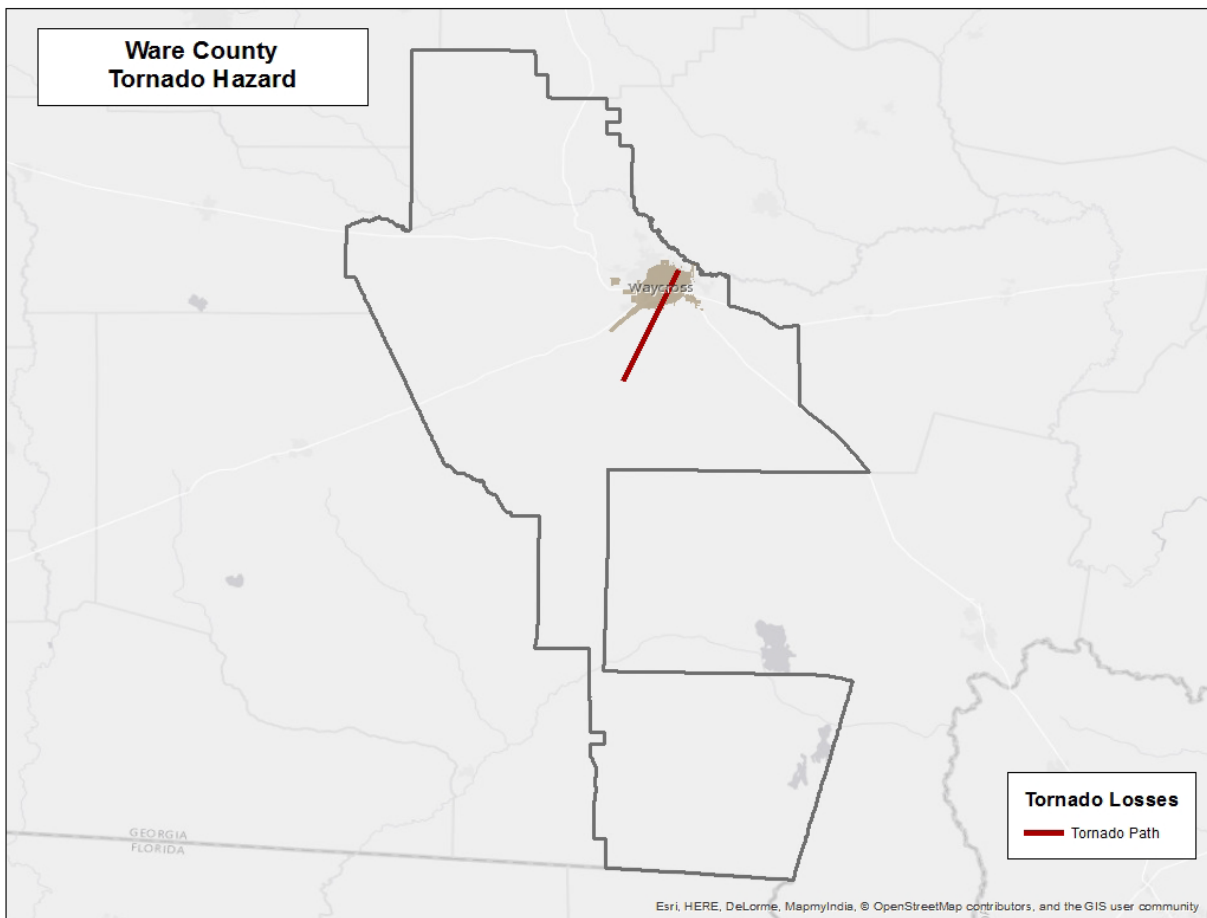


Figure 13: Hypothetical EF3 Tornado Path

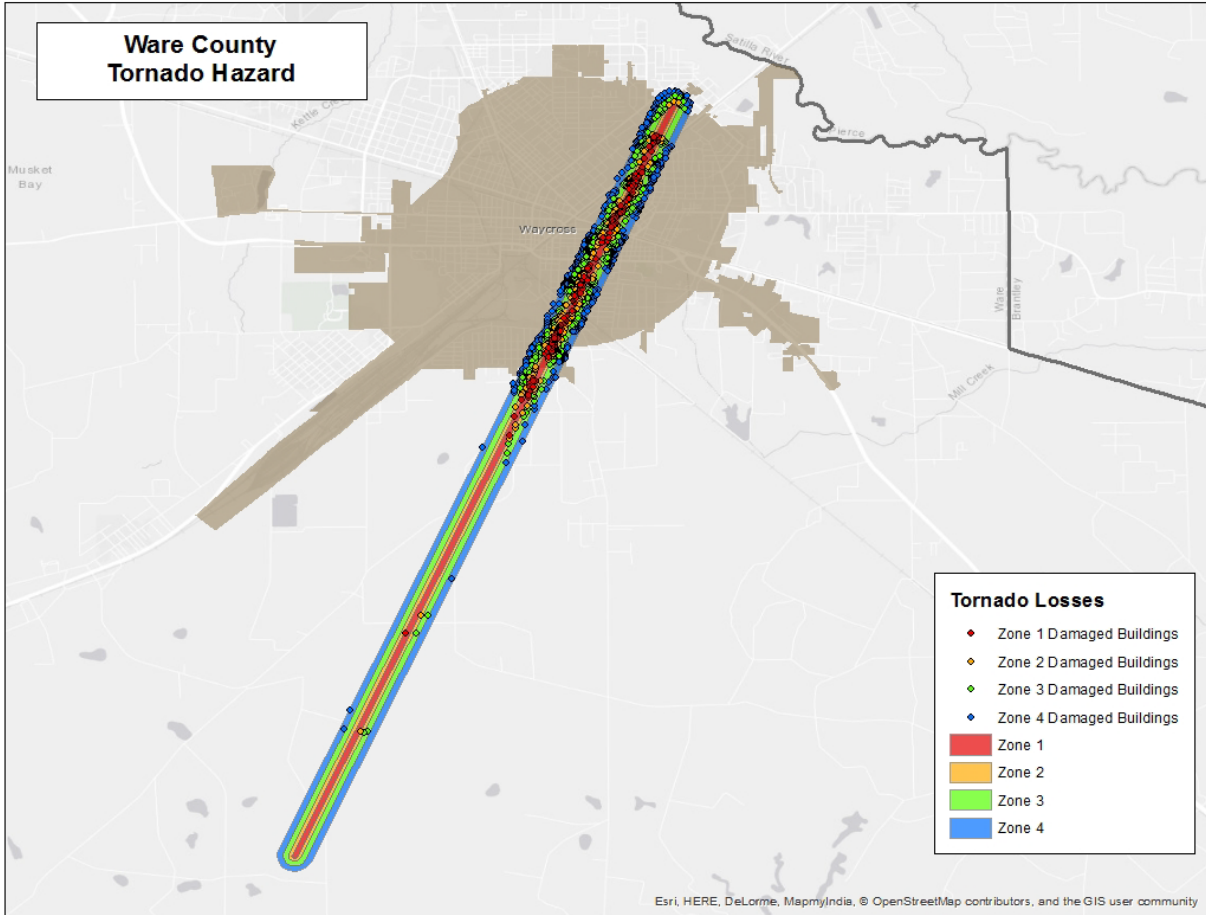


Figure 14: Modeled EF3 Tornado Damage Buffers

EF3 Tornado Building Damages

The analysis estimated that approximately 1,109 buildings could be damaged, with estimated building losses of approximately \$48.7 million. The building losses are an estimate of building replacement costs multiplied by the percentages of damage. The overlay was performed against parcels provided by Ware County that were joined with Assessor records showing estimated property replacement costs. The Assessor records often do not distinguish parcels by occupancy class if the parcels are not taxable and thus the number of buildings and replacement costs may be underestimated. The results of the analysis are depicted in Table 14.

Table 14: Estimated Building Losses by Occupancy Type

Occupancy Classification	Buildings Damaged	Building Losses
Commerical	47	\$ 4,028,577
Educational	1	\$ 1,045,500
Governmental	0	\$ -
Industrial	10	\$ 3,066,770
Residential	1032	\$ 34,816,454
Religious	19	\$ 5,709,597
Total	1109	\$ 48,666,898

EF3 Tornado Essential Facility Damage

There was 1 essential facility located in the tornado path according to the modeling, this 1 facility would suffer moderate damage should such a tornado strike occur.

The location of the damaged Essential Facilities is mapped in Figure 15.

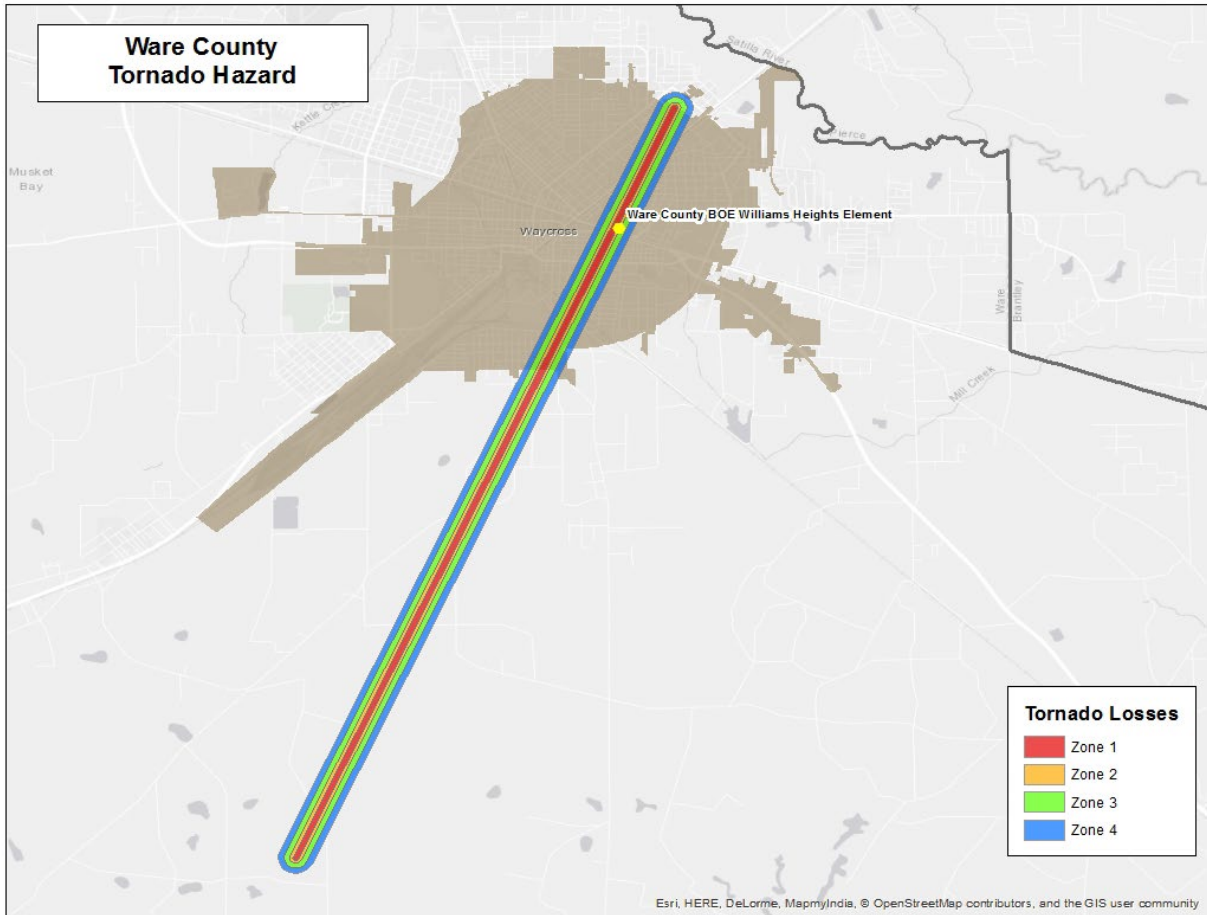


Figure 15: Modeled Essential Facility Damage in Ware County

Exceptions Report

Hazus Version 2.2 SP1 was used to perform the loss estimates for Ware County, Georgia. Changes made to the default Hazus-MH inventory and the modeling parameters used to setup the hazard scenarios are described within this document.

Reported losses reflect the updated data sets. Steps, algorithms and assumptions used during the data update process are documented in the project workflow developed by the Polis Center.

Statewide Inventory Changes

The default Hazus-MH Essential Facility inventory was updated for the entire state prior to running the hazard scenarios for Ware County.

Statewide facility data were supplied by GEMA through the GMIS in June 2015. The Regional Commission updated the essential facilities in 2016. The updated data was used for this analysis. Table 15 summarizes the difference between the original Hazus-MH default data and the updated data for Ware County.

Table 15: Essential Facility Updates

Occupancy Classification	Default		Updated	
	Replacement Cost	Default Count	Replacement Cost	Updated Count
Care	\$ 214,260,000	13	\$ 13,865,000	3
EOC	\$ 880,000	1	\$ 2,890,000	1
Fire	\$ 64,189,000	21	\$ 6,380,000	15
Police	\$ 62,651,000	12	\$ 13,971,000	3
School	\$ 115,204,000	21	\$ 110,218,000	13

County Inventory Changes

The GBS records for Ware County were replaced with data derived from parcel and property assessment data obtained from Ware County. The county provided property assessment data was current as of August 2022 and the parcel data current as of August 2022.

General Building Stock Updates

The parcel boundaries and assessor records were obtained from Ware County. Records without improvements were deleted. The parcel boundaries were converted to parcel points located in the centroids of each parcel boundary unless there were building footprints. Each parcel point was linked to an assessor record based upon matching parcel numbers. The generated Building Inventory represents the approximate locations (within a parcel) of building exposure. The Building Inventory was aggregated by Census Block and imported into Hazus-MH using the Hazus-MH Comprehensive Data Management System (CDMS). Both the 2010 Census Tract and Census Block tables were updated.

The match between parcel records and assessor records was based upon a common Parcel ID. For this type of project, unless the hit rate is better than 85%, the records are not used to update the default aggregate inventory in Hazus-MH. The Parcel-Assessor hit rate for Ware County was 99.6%.

Adjustments were made to records when primary fields did not have a value. In these cases, default values were applied to the fields. Table 16 outlines the adjustments made to Ware County records.

Table 16: Building Inventory Default Adjustment Rates

Type of Adjustment	Building Count	Percentage
Area Unknown	1,158	7%
Construction Unknown	1,236	7%
Condition Unknown	1,123	6%
Foundation Unknown	1,233	7%
Year Built Unknown	1,504	8%

Portions of the CAMA values were either missing (<Null> or '0'), did not match CAMA domains or were unusable ('Unknown', 'Other', 'Pending'). These were replaced with 'best available' values. Missing YearBuilt values were populated from average values per Census Block. Missing Condition, Construction and Foundation values were populated with the highest-frequency CAMA values per Occupancy Class. Missing Area values were populated with the average CAMA values per Occupancy Class.

The resulting Building Inventory was used to populate the Hazus-MH General Building Stock and User Defined Facility tables. The updated General Building Stock was used to calculate flood and tornado losses. Changes to the building counts and exposure that were modeled in Ware County are sorted by General Occupancy in Table 1 at the beginning of this report. If replacements cost or building value were not present for a given record in the Assessor data, replacement costs were calculated from the Building Area (sqft) multiplied by the Hazus-MH RS Means (\$/sqft) values for each Occupancy Class.

Differences between the default and updated data are due to various factors. The Assessor records often do not distinguish parcels by occupancy class when the parcels are not taxable; therefore, the total number of buildings and the building replacement costs for government, religious/non-profit, and education may be underestimated.

User Defined Facilities

Local parcel and CAMA data were used to develop points representing the locations of buildings in the county, referred to as User Defined Facilities (UDF) in the Hazus model. For the flood model, this includes only buildings located in the 1% Annual Chance Riverine Flood Area. Table 17 identifies the total building count & exposure for the county and the total building count & exposure for buildings located in the 1% Annual Chance Riverine Flood Area.

Table 17: Building Count and Exposure for County and Riverine Flood Area

Feature	Counts	Exposure
Total buildings in the County	17,796	\$4,015,321,569
Total buildings inside the 1% Annual Chance Riverine Flood Area	1,171	\$291,282,914

It should be noted that UDFs are only used in the flood modeling process, due to the fact that it is important to identify if individual buildings are located within the flood area to obtain the depth of flood.

Assumptions

- Flood analysis was performed on UDF. The point locations are parcel centroid accuracy.
- The analysis is restricted to the county boundary within the flood area. Events that occur near the county boundary do not contain loss estimates from adjacent counties.
- The following attributes were defaulted or calculated:
 - First Floor Height was set from Foundation Type
 - Content Cost was calculated from Building Cost

Appendix H

When Some, 8 p.m., Historic Ritz Theatre, 313 Pendleton Street.

5: Holiday Open House, 1 p.m., downtown Waycross businesses.

5: "Every Christmas Story Ever Told, And Then Some," 2:30 p.m., Historic Ritz Theatre, 313 Pendleton Street.

6: Waycross City Commission planning and information session, 5 p.m., City Hall.

7: Waycross City Commission bi-monthly meeting, 5 p.m., City Hall.

8: Ducks Unlimited Banquet, 6 p.m., Waycross Exchange Club Fairgrounds, 2335 Knight Avenue.

9: TOPS weight-loss support group meeting, 6:30 p.m., 601 Hill Street.

9: "Every Christmas Story Ever Told, And Then Some," 8 p.m., Historic Ritz Theatre, 313 Pendleton Street.

10: "Every Christmas Story Ever Told, And Then Some," 8 p.m., Historic Ritz Theatre, 313 Pendleton Street.

11: Exchange Club flea market, 8 a.m., Waycross Fairgrounds, 2335 Knight Avenue.

11: Waycross Chamber of Commerce Christmas Parade, 6:30 p.m.

11: "Every Christmas Story Ever Told, And Then Some," 8 p.m., Historic Ritz Theatre, 313 Pendleton Street.

16: TOPS weight-loss support group meeting, 6:30 p.m., 601 Hill Street.

17: Movie Night, "Miracle on 34th Street," 6 p.m., Southern Forest World, 1440 N. Augusta Avenue.

In response to the feedback, the city's engineering office is keeping a log of the complaints and following up each by sending another brochure to the complainant's address.

"We'll see where we are with the complaints going forward and if there is a reason for major concern, we'll bring them to you," Gavin told commissioners.

There are approximately 60 municipalities in the state with stormwater utilities and projections of more than 100 in the near future. Their sizes range from much smaller than Waycross to the state's larger cities.

The city has estimated it will collect between \$750,000 to \$1 million annually to address drainage issues in the city. Before the creation of the utility, funding for stormwater abatement competed with all other city projects for funding.

Fees collected from the stormwater utility also can be used as debt service payments which would allow the city to extend the term of loans for those projects.

in District 2 cast ballots earlier this month. The turnout for the District 3 race exceeded

CINDY

HARRIET

GEORGE

cp



NOTICE OF PUBLIC HEARING

Notice is hereby given that a Public Hearing will be held January 11, 2022 at 5:30 p.m. for comment on the Waycross/Blackshear Housing Authority's Agency Plan required by the U.S. Department of Housing and Urban Development. The Agency Plan will be available for review beginning November 29, 2021 for 45 days at the Authority's central office located at 1130 Tebeau Street, Waycross, Georgia. Any persons wishing to comment on the Authority's Agency Plan may file his or her comments in writing to the Executive Director of the Housing Authority no later than January 10, 2022 or may attend the Public Hearing being held at 1125 Tebeau Street, Waycross, Georgia. All comments will be considered in preparing the final plan before submittal to the U.S. Department of Housing and Urban Development.

Hazard Mitigation Plan Update Public Hearing

To include Ware County, Waycross and all unincorporated public areas of the county for a Multi-jurisdictional Hazard Mitigation Plan Update. The Ware County Emergency Management Agency, in cooperation with the Southern Georgia Regional Commission (SGRC), invites the public to attend a Public Hearing to discuss the Ware County Multi-Jurisdictional Hazard Mitigation Plan and provide an opportunity for public comment. The plan update is being developed in accordance with the Disaster Mitigation Act of 2000, which requires local governments to have an approved Hazard Mitigation Plan addressing natural hazards as a condition of receiving future federal disaster assistance. The SGRC staff will host a Public Hearing/Open House on December 7, 2021 at 11:00 am the Southern Georgia Regional Commission, 1725 South Georgia Parkway W. Waycross, GA 31503. Comments are being accepted by email at jhorton@sgrc.us, by fax at 229-333-5312, or by mailing them to Ware HMP, 1937 Carlton Adams Dr., Valdosta, GA 31601. The previous draft of the Plan is available on the SGRC website, www.sgrc.us. If you would like more information, please contact James Horton at the Southern Georgia Regional Commission, (229) 333-5277.

↑ Elizabeth



**Southern Georgia Regional Commission
Ware County and the City of Waycross
Hazard Mitigation Plan Update – Kick-off Public Hearing
Date: December 7, 2021**

Name	Organization	Title	Email
Shelby Meyers	GEMA/HS	Hazard Mitigation Planning Specialist	Shelby.meyers@gema.ga.gov shelby.meyers@gema.ttc
NEIL SKERRATT	WARE S.O.	CAPTAIN (C.I.D.)	n.skerratt@ware-sheriff.com 912-287-4327 (Work)
JONATHAN DANIELL	WARE CO EMA	DIRECTOR	JDANIELL@WARECOUNTY.COM 912-281-5158
James Horton	SGRC	Planner	jhorton@sgrc.org 912-287-2937
DAVID E. EDDIS	Waycross Fire	Fire Chief	deddis@waycrossga.com 912-287-4454 - cell 912-550-5607
Perry Blackburn	Ware EMS	EMS Coordinator	pblackburn@warecounty.com 912-816-6063
Jesse Jordan	Blackburn ASTC	Director	jjordan@warecounty.com 912.287.4460
DEE MEADOWS	Ware Co Fire Rescue	FIRE CHIEF	dmeadows@warecounty.com

**Southern Georgia Regional Commission
Ware County and the City of Waycross
Hazard Mitigation Plan Update – Workshop 1
Date: February 8, 2022**

<u>Name</u>	<u>Organization</u>	<u>Title</u>	<u>Email</u>
Jamie Knudsen	City of Wayx	Animal Control Shelter Supervisor	jknudsen@waycrossga.com
James Smart	City of Waycross	Public Works Director	jsmart@waycrossga.com
Marc Hawkins	City of Waycross	Community Inp Director	mhawkins@waycrossga.com
GREG BURD	MEM. SATILLA HEALTH	EM. COOR.	gregory.burd@healthcare.com
Larry Thrift	City of Waycross	Public works	lthrift@waycrossga.com
JACKSON HOBBS	CITY OF WAYCROSS	PUBLIC WORKS	jhobbs@waycrossga.com
Kenneth P. Jones	City of Waycross	Waste Management WPD	Kjones@waycrossga.com
Benjamin Hersey	City of Waycross	Patrol Sect. Commander	bhersey@waycrossga.com
Trent Gibbs	City of Waycross	W.P. Special Ops Commander	tgibbs@waycrossga.com
DEE MEADOWS	WARE CO FIRE RESCUE	FIRE CHIEF	dmeadows@warecounty.com

Southern Georgia Regional Commission
Ware County and the City of Waycross
Hazard Mitigation Plan Update – Workshop 2
Date: March 8, 2022

<u>Name</u>	<u>Organization</u>	<u>Title</u>	<u>Email</u>
JONATHAN DANIELL	WARE CO EMA	DIRECTOR	SDANIELL@WARECOUNTY.GA
Carl James	Sheriff's office	Sheriff	cjames@Ware Sheriff.com
DEE MEADOWS	WCFR	CHIEF	dmeadows@Warecounty.com
Perry Blackburn	Ware CO EMS	EMS Coordinator	pblackburn@Warecounty.com
Bill Parham	Ware EMS	EMS Director	bparham@Warecounty.com
JOSH PRALL	WPD	Lieutenant	Jprall@waycrossga.com
Casey Caswell	WPD	Lieutenant	ccaswell@waycrossga.com
DAVID E. EDDINS	Waycross Fire	Chief	deddins@waycrossga.com

**Southern Georgia Regional Commission
Ware County and the City of Waycross
Hazard Mitigation Plan Update – Workshop 3
Date: April 19, 2022**

<u>Name</u>	<u>Organization</u>	<u>Title</u>	<u>Email</u>
JONATHAN DANIELL	WARE CO EMA	DIRECTOR	JDANIELL@WARECOUNTY.COM
BRANDON WALLACE	WARE COUNTY	ENGINEER	bwallace@warecounty.com
James Smart	City of Waycross	Public Works	jsmart@waycrossga.com
JACKSON HOBBS	CITY OF WAYCROSS	Public Works	JHOBBS@WAYCROSSGA.COM
Benji Hersey	Waycross Police Dept.	Patrol Captain	bhersey@waycrossga.com
DAVID E. EDDIUS	Waycross Fire Dept.	Fire Chief	dreddius@waycrossga.com
NEIL SKERRATT	WARE COUNTY SHERIFF'S OFFICE	MAJOR OF ADMIN.	nskerrott@waresheriff.com
Carl James	Ware Co. Sheriff's office	Sheriff	cjames@waresheriff.com
Michael Angelo James	City of Waycross	Mayor	majames@waycrossga.com
DEE MEADOWS	WARE COUNTY	FIRE CHIEF	dmeadows@warecounty.com

PUBLIC HEARING NOTICE

The Ware County Emergency Management Agency (EMA), in cooperation with the Southern Georgia Regional Commission (SGRC), invites the public to attend a Joint Public Hearing to review the Ware County and City of Waycross Hazard Mitigation Plan Update and provide an opportunity for public comment. The plan update has been developed in accordance with the Disaster Mitigation Act of 2000, which requires local governments to have an approved Hazard Mitigation Plan addressing natural hazards as a condition of receiving future federal disaster assistance. The SGRC staff will host a Public Hearing/Open House on **Wednesday, March 8, 2023 at 2:00 p.m. at the Ware County Administration Building, Commission Meeting Room, Second Floor, 305 Oak Street, Room #201, Waycross, GA 31501.** Comments are being accepted by email at jhorton@sgrc.us, by fax at 229-333-5312, or by mailing them to Ware HMP, 1937 Carlton Adams Drive., Valdosta, GA 31601. The draft of the Plan is available on the SGRC website, www.sgrc.us. For more information please call James Horton, Senior Planner, at 229-333-5277.

Southern Georgia Regional Commission
Ware County and the City of Waycross
Hazard Mitigation Plan Update – Final Public Hearing
Date: March 8, 2023

<u>Name</u>	<u>Organization</u>	<u>Title</u>	<u>Email</u>
Carlos Sine	WARE CO	IT Director	csine@WareCounty.com
JONATHAN DANIEL	WARE CO EMA	DIRECTOR	JDANIEL@WARECO.WA.COM
James Horton	SGRC	Planner	jhorton@sgrc.us

Appendix I – Adoption Resolutions

RESOLUTION NO. 23-16

**A RESOLUTION OF THE CITY COMMISSION OF THE CITY OF WAYCROSS
AUTHORIZING THE ADOPTION OF THE WARE COUNTY HAZARD
MITIGATION PLAN; AND FOR OTHER PURPOSES.**

WHEREAS, Ware County and its municipal government are required to complete a Hazard Mitigation Plan pursuant to the Disaster Mitigation Act of 2000; and

WHEREAS, under the provisions of the Disaster Mitigation Act of 2000, local governments that complete Hazard Mitigation Plans will remain eligible for Federal mitigation funding; and

WHEREAS, Ware County and its municipal government have completed an updated Hazard Mitigation Plan that fulfills the Federal requirements of the Disaster Mitigation Act of 2000; and

WHEREAS, said matter having been read and considered.

NOW, THEREFORE, BE IT RESOLVED by the City Commission of the City of Waycross that the City of Waycross hereby approves and adopts this updated **HAZARD MITIGATION PLAN, 2023-2028**.

BE IT FURTHER RESOLVED that the Mayor and City Clerk be, and the same are, hereby authorized, directed and empowered to execute the Hazard Mitigation Plan, 2023-2028, or any related documents, in the name and on behalf of the City of Waycross, hereby ratifying and confirming the execution of said Agreement by the Mayor and City Clerk, and approving the act and things done as necessary to give effect to said Agreement.

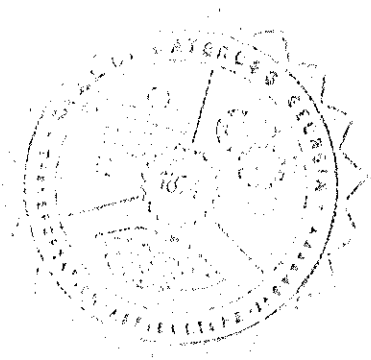
SO RESOLVED, this 7th day of March, 2023.

CITY OF WAYCROSS, GEORGIA

BY: *Michael-Angelo James*
MICHAEL-ANGELO JAMES, MAYOR

ATTEST:

Jacqueline Powell
JACQUILINE POWELL, CITY CLERK



RESOLUTION 2023-04

A RESOLUTION OF THE BOARD OF COMMISSIONERS OF WARE COUNTY PURSUANT TO THE DISASTER MITIGATION ACT OF 2000 AUTHORIZING ADOPTION OF THE WARE COUNTY HAZARD MITIGATION PLAN; AND PROVIDING FOR AN EFFECTIVE DATE

WHEREAS, Ware County and its municipal governments are required to complete a Hazard Mitigation Plan by the Disaster Mitigation Act of 2000; and

WHEREAS, under the provisions of the Disaster Mitigation Act of 2000, local governments that complete Hazard Mitigation Plans will remain eligible for Federal mitigation funding; and


WHEREAS, Ware County and its municipal governments have completed an updated Hazard Mitigation Plan that fulfills the Federal requirements of the Disaster Mitigation Act of 2000.

NOW, THEREFORE LET IT BE RESOLVED that the Board of Commissioners of Ware County formally adopts this updated Hazard Mitigation Plan.

SO RESOLVED AND ORDERED at a meeting of the Ware County Board of Commissioners on the 13th day of March, 2023.



Elmer Thrift, Chairman

Attest:


Scott M. Moye, County Manager

[seal]