Appendices

Appendices

Appendix A. Hazard Identification, Risk, and Vulnerability (HRV)

- I. GEMA Worksheet 3A
- II. GMIS Critical Facilities Maps
- III. Maximum Envelope of Wind maps
- IV. Drought Monitor and Drought map

Appendix B. Growth and Development Trends

- I. Census Demographic Summary
- III. Tax Digests

Appendix C. Other Planning Documents

- I. 2020 Comprehensive Plan Short Term Work Program
- II. Community Wildfire Protection Plan

Appendix D. Worksheets Used in Planning Process

- I. Hazard Frequency Table
- II. GEMA Worksheet #1
- III. GEMA Worksheet #2
- IV. GEMA Worksheet #4

Appendix E. Copies of Required Planning Documentation

- I. Agendas
- II. Public Notices
- III. Sign-in Sheets
- IV. Adoption Resolutions

Appendix F. Reports and Inventories

- I. General Historic Reports
- II. Critical Facilities Inventory

Appendix G. HAZUS Report

APPENDIX A. HAZARD IDENTIFICATION, RISK, AND VULNERABILITY (HRV)

Appendix A. I - GEMA Worksheet 3A

GEMA Worksheet #3a

Inventory of Assets

Jurisdiction: Charlton County and the Cities of Folkston and Homeland

Hazard: I. 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.

| | Nu | umber of Struct | ures | Value of Structures | | | Number of People | | |
|---|-------------------------------|---------------------|---------------------|--------------------------|-------------------|---------------------|-------------------------------|---------------------|---------------------|
| Type of Structure (Occupancy Class) | # 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 | 3,687 | 3,687 | 100.000% | 202,624,362 | 202,624,362 | 100.000% | 18,737 | 18,737 | 100% |
| Commercial | 677 | 677 | 100.000% | 45,066,144 | 45,066,144 | 100.000% | 0 | 0 | 0% |
| Industrial | 65 | 65 | 100.000% | 4,254,320 | 4,254,320 | 100.000% | 0 | 0 | 0% |
| Agricultural | 763 | 763 | 100.000% | 12,301,466 | 12,301,466 | 100.000% | 0 | 0 | 0% |
| Religious/ Non- profit | 38 | 38 | 100.000% | 3,349,338 | 13,270,420 | 100.000% | 0 | 0 | 0% |
| Government | 23 | 23 | 100.000% | 10,822,763 | 10,822,763 | 100.000% | 0 | 0 | 0% |
| Education | 7 | 7 | 100.000% | 6,025,369 | 6,025,369 | 100.000% | 0 | 0 | 0% |
| Utilities | 39 | 39 | 100.000% | 35,598,905 | 35,598,905 | 100.000% | 0 | 0 | 0% |
| Total | 5,299 | 5,299 | 100.000% | 320,042,667 | 329,963,749 | 103.100% | 18,737 | 18,737 | |

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? | Y | |
| 7. Is additional data needed to justify the expenditure of community or state funds for mitigation initiatives? | Y | |

Inventory of Assets

Jurisdiction: Charlton County and the Cities of Folkston and Homeland

Hazard: II. Flood/SLOSH

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.

| | Nu | umber of Struct | ures | | Value of Structures | | | Number of People | | | |
|---|-------------------------------|---------------------|---------------------|-----------------------------|---------------------|---------------------|-------------------------------|---------------------|---------------------|--|--|
| Type of Structure (Occupancy Class) | # 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 | 3,687 | 3,687 | 100.000% | 202,624,362 | 202,624,362 | 100.000% | 18,737 | 18,737 | 100% | | |
| Commercial | 677 | 677 | 100.000% | 45,066,144 | 45,066,144 | 100.000% | 0 | 0 | 0% | | |
| Industrial | 65 | 65 | 100.000% | 4,254,320 | 4,254,320 | 100.000% | 0 | 0 | 0% | | |
| Agricultural | 763 | 763 | 100.000% | 12,301,466 | 12,301,466 | 100.000% | 0 | 0 | 0% | | |
| Religious/ Non- | | | | | | | | | | | |
| profit | 38 | 38 | 100.000% | 3,349,338 | 13,270,420 | 100.000% | 0 | 0 | 0% | | |
| Government | 23 | 23 | 100.000% | 10,822,763 | 10,822,763 | 100.000% | 0 | 0 | 0% | | |
| Education | 7 | 7 | 100.000% | 6,025,369 | 6,025,369 | 100.000% | 0 | 0 | 0% | | |
| Utilities | 39 | 39 | 100.000% | 35,598,905 | 35,598,905 | 100.000% | 0 | 0 | 0% | | |
| Total | 5,299 | 5,299 | 100.000% | 320,042,667 | 329,963,749 | 103.100% | 18,737 | 18,737 | | | |

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

| | Υ | 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? | Υ | |
| 3. Is there enough data to determine which assets are subject to the greatest potential damages? | Υ | |
| 4. Is there enough data to determine whether significant elements of the community are vulnerable to potential hazards? | Υ | |
| 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? | Y | |
| 7. Is additional data needed to justify the expenditure of community or state funds for mitigation initiatives? | Υ | |

Inventory of Assets

Jurisdiction: Charlton County and the Cities of Folkston and Homeland

Hazard: III. 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.

| | Nu | umber of Struct | ures | | Value of Structures | | | Number of People | | | |
|-------------------|-----------|-----------------|-------------|--------------------|---------------------|-------------|-----------|------------------|-------------|--|--|
| Type of Structure | # in | | | | | | # in | | | | |
| (Occupancy | Community | # in Hazard | % in Hazard | \$ in Community or | | % in Hazard | Community | # in Hazard | % in Hazard | | |
| Class) | of State | Area | Area | State | \$ in Hazard Area | Area | or State | Area | Area | | |
| Residential | 3,687 | 3,687 | 100.000% | 202,624,362 | 202,624,362 | 100.000% | 18,737 | 18,737 | 100% | | |
| Commercial | 677 | 677 | 100.000% | 45,066,144 | 45,066,144 | 100.000% | 0 | 0 | 0% | | |
| Industrial | 65 | 65 | 100.000% | 4,254,320 | 4,254,320 | 100.000% | 0 | 0 | 0% | | |
| Agricultural | 763 | 763 | 100.000% | 12,301,466 | 12,301,466 | 100.000% | 0 | 0 | 0% | | |
| Religious/ Non- | | | | | | | | | | | |
| profit | 38 | 38 | 100.000% | 3,349,338 | 13,270,420 | 100.000% | 0 | 0 | 0% | | |
| Government | 23 | 23 | 100.000% | 10,822,763 | 10,822,763 | 100.000% | 0 | 0 | 0% | | |
| Education | 7 | 7 | 100.000% | 6,025,369 | 6,025,369 | 100.000% | 0 | 0 | 0% | | |
| Utilities | 39 | 39 | 100.000% | 35,598,905 | 35,598,905 | 100.000% | 0 | 0 | 0% | | |
| Total | 5,299 | 5,299 | 100.000% | 320,042,667 | 329,963,749 | 103.100% | 18,737 | 18,737 | | | |

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? | Y | |
| 7. Is additional data needed to justify the expenditure of community or state funds for mitigation initiatives? | Y | |

Inventory of Assets

Jurisdiction: Charlton County and the Cities of Folkston and Homeland

Hazard: IV. 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.

| | Nu | umber of Struct | ures | | Value of Structures | | | Number of People | | | |
|-------------------|-----------|-----------------|-------------|--------------------|---------------------|-------------|-----------|------------------|-------------|--|--|
| Type of Structure | # in | | | | | | # in | | | | |
| (Occupancy | Community | # in Hazard | % in Hazard | \$ in Community or | | % in Hazard | Community | # in Hazard | % in Hazard | | |
| Class) | of State | Area | Area | State | \$ in Hazard Area | Area | or State | Area | Area | | |
| Residential | 3,687 | 3,687 | 100.000% | 202,624,362 | 202,624,362 | 100.000% | 18,737 | 18,737 | 100% | | |
| Commercial | 677 | 677 | 100.000% | 45,066,144 | 45,066,144 | 100.000% | 0 | 0 | 0% | | |
| Industrial | 65 | 65 | 100.000% | 4,254,320 | 4,254,320 | 100.000% | 0 | 0 | 0% | | |
| Agricultural | 763 | 763 | 100.000% | 12,301,466 | 12,301,466 | 100.000% | 0 | 0 | 0% | | |
| Religious/ Non- | | | | | | | | | | | |
| profit | 38 | 38 | 100.000% | 3,349,338 | 13,270,420 | 100.000% | 0 | 0 | 0% | | |
| Government | 23 | 23 | 100.000% | 10,822,763 | 10,822,763 | 100.000% | 0 | 0 | 0% | | |
| Education | 7 | 7 | 100.000% | 6,025,369 | 6,025,369 | 100.000% | 0 | 0 | 0% | | |
| Utilities | 39 | 39 | 100.000% | 35,598,905 | 35,598,905 | 100.000% | 0 | 0 | 0% | | |
| Total | 5,299 | 5,299 | 100.000% | 320,042,667 | 329,963,749 | 103.100% | 18,737 | 18,737 | | | |

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

Inventory of Assets

Jurisdiction: Charlton County and the Cities of Folkston and Homeland

Hazard: V. Thunderstorm/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.

| | Nu | umber of Struct | ures | | Value of Structures | | | Number of People | | |
|-------------------|-----------|-----------------|-------------|--------------------|---------------------|-------------|-----------|------------------|-------------|--|
| Type of Structure | # in | | | | | | # in | | | |
| (Occupancy | Community | # in Hazard | % in Hazard | \$ in Community or | | % in Hazard | Community | # in Hazard | % in Hazard | |
| Class) | of State | Area | Area | State | \$ in Hazard Area | Area | or State | Area | Area | |
| Residential | 3,687 | 3,687 | 100.000% | 202,624,362 | 202,624,362 | 100.000% | 18,737 | 18,737 | 100% | |
| Commercial | 677 | 677 | 100.000% | 45,066,144 | 45,066,144 | 100.000% | 0 | 0 | 0% | |
| Industrial | 65 | 65 | 100.000% | 4,254,320 | 4,254,320 | 100.000% | 0 | 0 | 0% | |
| Agricultural | 763 | 763 | 100.000% | 12,301,466 | 12,301,466 | 100.000% | 0 | 0 | 0% | |
| Religious/ Non- | | | | | | | | | | |
| profit | 38 | 38 | 100.000% | 3,349,338 | 13,270,420 | 100.000% | 0 | 0 | 0% | |
| Government | 23 | 23 | 100.000% | 10,822,763 | 10,822,763 | 100.000% | 0 | 0 | 0% | |
| Education | 7 | 7 | 100.000% | 6,025,369 | 6,025,369 | 100.000% | 0 | 0 | 0% | |
| Utilities | 39 | 39 | 100.000% | 35,598,905 | 35,598,905 | 100.000% | 0 | 0 | 0% | |
| Total | 5,299 | 5,299 | 100.000% | 320,042,667 | 329,963,749 | 103.100% | 18,737 | 18,737 | | |

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

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

Inventory of Assets

Jurisdiction: Charlton County and the Cities of Folkston and Homeland

Hazard: VI. 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.

| | Nu | umber of Struct | ures | | Value of Structures | | | Number of People | | |
|-------------------|-----------|-----------------|-------------|--------------------|---------------------|-------------|-----------|------------------|-------------|--|
| Type of Structure | # in | | | | | | # in | | | |
| (Occupancy | Community | # in Hazard | % in Hazard | \$ in Community or | | % in Hazard | Community | # in Hazard | % in Hazard | |
| Class) | of State | Area | Area | State | \$ in Hazard Area | Area | or State | Area | Area | |
| Residential | 3,687 | 3,687 | 100.000% | 202,624,362 | 202,624,362 | 100.000% | 18,737 | 18,737 | 100% | |
| Commercial | 677 | 677 | 100.000% | 45,066,144 | 45,066,144 | 100.000% | 0 | 0 | 0% | |
| Industrial | 65 | 65 | 100.000% | 4,254,320 | 4,254,320 | 100.000% | 0 | 0 | 0% | |
| Agricultural | 763 | 763 | 100.000% | 12,301,466 | 12,301,466 | 100.000% | 0 | 0 | 0% | |
| Religious/ Non- | | | | | | | | | | |
| profit | 38 | 38 | 100.000% | 3,349,338 | 13,270,420 | 100.000% | 0 | 0 | 0% | |
| Government | 23 | 23 | 100.000% | 10,822,763 | 10,822,763 | 100.000% | 0 | 0 | 0% | |
| Education | 7 | 7 | 100.000% | 6,025,369 | 6,025,369 | 100.000% | 0 | 0 | 0% | |
| Utilities | 39 | 39 | 100.000% | 35,598,905 | 35,598,905 | 100.000% | 0 | 0 | 0% | |
| Total | 5,299 | 5,299 | 100.000% | 320,042,667 | 329,963,749 | 103.100% | 18,737 | 18,737 | | |

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

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

Inventory of Assets

Jurisdiction: Charlton County and the Cities of Folkston and Homeland

Hazard: VII. 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.

| | Nu | umber of Struct | ures | | Value of Structures | | 1 | Number of Peop | le |
|-------------------|-----------|-----------------|-------------|--------------------|---------------------|-------------|-----------|----------------|-------------|
| Type of Structure | # in | | | | | | # in | | |
| (Occupancy | Community | # in Hazard | % in Hazard | \$ in Community or | | % in Hazard | Community | # in Hazard | % in Hazard |
| Class) | of State | Area | Area | State | \$ in Hazard Area | Area | or State | Area | Area |
| Residential | 3,687 | 3,687 | 100.000% | 202,624,362 | 202,624,362 | 100.000% | 18,737 | 18,737 | 100% |
| Commercial | 677 | 677 | 100.000% | 45,066,144 | 45,066,144 | 100.000% | 0 | 0 | 0% |
| Industrial | 65 | 65 | 100.000% | 4,254,320 | 4,254,320 | 100.000% | 0 | 0 | 0% |
| Agricultural | 763 | 763 | 100.000% | 12,301,466 | 12,301,466 | 100.000% | 0 | 0 | 0% |
| Religious/ Non- | | | | | | | | | |
| profit | 38 | 38 | 100.000% | 3,349,338 | 13,270,420 | 100.000% | 0 | 0 | 0% |
| Government | 23 | 23 | 100.000% | 10,822,763 | 10,822,763 | 100.000% | 0 | 0 | 0% |
| Education | 7 | 7 | 100.000% | 6,025,369 | 6,025,369 | 100.000% | 0 | 0 | 0% |
| Utilities | 39 | 39 | 100.000% | 35,598,905 | 35,598,905 | 100.000% | 0 | 0 | 0% |
| Total | 5,299 | 5,299 | 100.000% | 320,042,667 | 329,963,749 | 103.100% | 18,737 | 18,737 | |

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

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

Inventory of Assets

Jurisdiction: Charlton County and the Cities of Folkston and Homeland Hazard: VIII. 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.

| | Number of Structures | | Value of Structures | | | Number of People | | | |
|--|-------------------------------|---------------------|---------------------|-----------------------------|-------------------|---------------------|-------------------------------|---------------------|---------------------|
| Type of Structure (Occupancy Class) | # 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 | 3,687 | 3,687 | 100.000% | 202,624,362 | 202,624,362 | 100.000% | 18,737 | 18,737 | 100% |
| Commercial | 677 | 677 | 100.000% | 45,066,144 | 45,066,144 | 100.000% | 0 | 0 | 0% |
| Industrial | 65 | 65 | 100.000% | 4,254,320 | 4,254,320 | 100.000% | 0 | 0 | 0% |
| Agricultural | 763 | 763 | 100.000% | 12,301,466 | 12,301,466 | 100.000% | 0 | 0 | 0% |
| Religious/ Nonprofit | 38 | 38 | 100.000% | 3,349,338 | 13,270,420 | 100.000% | 0 | 0 | 0% |
| Government | 23 | 23 | 100.000% | 10,822,763 | 10,822,763 | 100.000% | 0 | 0 | 0% |
| Education | 7 | 7 | 100.000% | 6,025,369 | 6,025,369 | 100.000% | 0 | 0 | 0% |
| Utilities | 39 | 39 | 100.000% | 35,598,905 | 35,598,905 | 100.000% | 0 | 0 | 0% |
| Total | 5,299 | 5,299 | 100.000% | 320,042,667 | 329,963,749 | 103.100% | 18,737 | 18,737 | |

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

1. Do you know where the greatest damages may occur in your area?

Y

N

Y

Y

Y

Y

Y

Y

Z

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 Y to potential hazards?
- 5. Is there enough data to determine whether certain areas of historic, environmental, political, or Y cultural significance are vulnerable to potential hazards?
- 6. Is there concern about a particular hazard because of its severity, repetitiveness, or likelihood of Y occurrence?
- 7. Is additional data needed to justify the expenditure of community or state funds for mitigation Y initiatives?

Inventory of Assets

Jurisdiction: Charlton County and the Cities of Folkston and Homeland

Hazard: IX. Lightning

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.

| | Nu | umber of Struct | ures | Value of Structures | | | Number of People | | |
|-------------------|-----------|-----------------|-------------|---------------------|-------------------|-------------|------------------|-------------|-------------|
| Type of Structure | # in | | | | | | # in | | |
| (Occupancy | Community | # in Hazard | % in Hazard | \$ in Community or | | % in Hazard | Community | # in Hazard | % in Hazard |
| Class) | of State | Area | Area | State | \$ in Hazard Area | Area | or State | Area | Area |
| Residential | 3,687 | 3,687 | 100.000% | 202,624,362 | 202,624,362 | 100.000% | 18,737 | 18,737 | 100% |
| Commercial | 677 | 677 | 100.000% | 45,066,144 | 45,066,144 | 100.000% | 0 | 0 | 0% |
| Industrial | 65 | 65 | 100.000% | 4,254,320 | 4,254,320 | 100.000% | 0 | 0 | 0% |
| Agricultural | 763 | 763 | 100.000% | 12,301,466 | 12,301,466 | 100.000% | 0 | 0 | 0% |
| Religious/ Non- | | | | | | | | | |
| profit | 38 | 38 | 100.000% | 3,349,338 | 13,270,420 | 100.000% | 0 | 0 | 0% |
| Government | 23 | 23 | 100.000% | 10,822,763 | 10,822,763 | 100.000% | 0 | 0 | 0% |
| Education | 7 | 7 | 100.000% | 6,025,369 | 6,025,369 | 100.000% | 0 | 0 | 0% |
| Utilities | 39 | 39 | 100.000% | 35,598,905 | 35,598,905 | 100.000% | 0 | 0 | 0% |
| Total | 5,299 | 5,299 | 100.000% | 320,042,667 | 329,963,749 | 103.100% | 18,737 | 18,737 | |

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

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

Inventory of Assets

Jurisdiction: Charlton County and the Cities of Folkston and Homeland

Hazard: X. 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.

| | Nu | umber of Struct | ures | Value of Structures | | | Number of People | | |
|-------------------|-----------|-----------------|-------------|---------------------|-------------------|-------------|------------------|-------------|-------------|
| Type of Structure | # in | | | | | | # in | | |
| (Occupancy | Community | # in Hazard | % in Hazard | \$ in Community or | | % in Hazard | Community | # in Hazard | % in Hazard |
| Class) | of State | Area | Area | State | \$ in Hazard Area | Area | or State | Area | Area |
| Residential | 3,687 | 3,687 | 100.000% | 202,624,362 | 202,624,362 | 100.000% | 18,737 | 18,737 | 100% |
| Commercial | 677 | 677 | 100.000% | 45,066,144 | 45,066,144 | 100.000% | 0 | 0 | 0% |
| Industrial | 65 | 65 | 100.000% | 4,254,320 | 4,254,320 | 100.000% | 0 | 0 | 0% |
| Agricultural | 763 | 763 | 100.000% | 12,301,466 | 12,301,466 | 100.000% | 0 | 0 | 0% |
| Religious/ Non- | | | | | | | | | |
| profit | 38 | 38 | 100.000% | 3,349,338 | 13,270,420 | 100.000% | 0 | 0 | 0% |
| Government | 23 | 23 | 100.000% | 10,822,763 | 10,822,763 | 100.000% | 0 | 0 | 0% |
| Education | 7 | 7 | 100.000% | 6,025,369 | 6,025,369 | 100.000% | 0 | 0 | 0% |
| Utilities | 39 | 39 | 100.000% | 35,598,905 | 35,598,905 | 100.000% | 0 | 0 | 0% |
| Total | 5,299 | 5,299 | 100.000% | 320,042,667 | 329,963,749 | 103.100% | 18,737 | 18,737 | |

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

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

Inventory of Assets

Jurisdiction: Charlton County and the Cities of Folkston and Homeland

Hazard: XI. Public Health Emergency

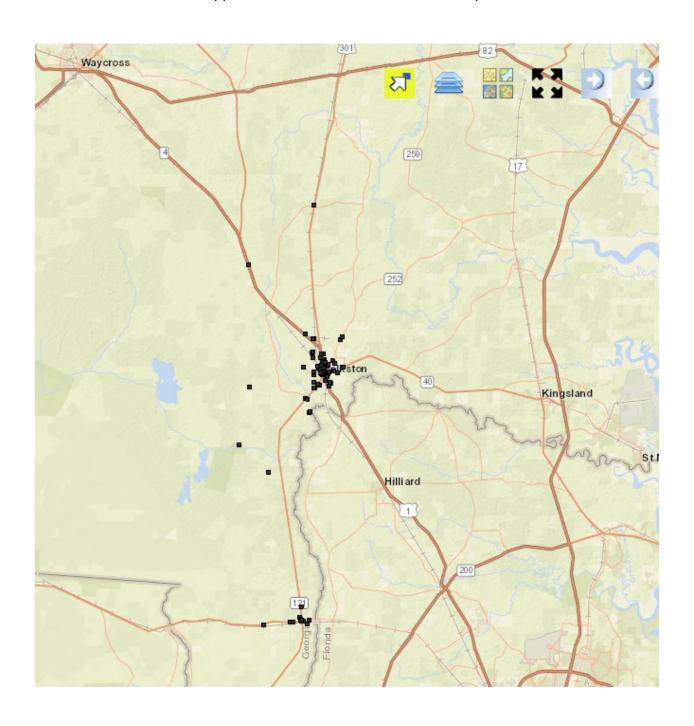
Task A. Determine the proportion of buildings, the value of buildings, and the population in your community or state that are located in hazard areas.

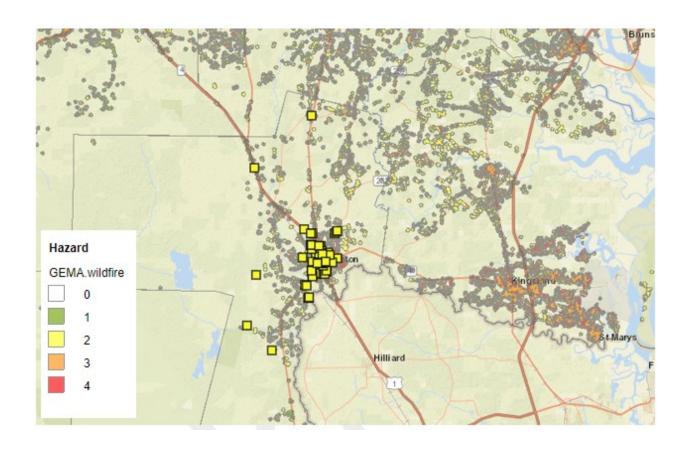
| | Nu | umber of Struct | ures | | Value of Structures | | 1 | Number of Peop | le |
|-------------------|-----------|-----------------|-------------|--------------------|---------------------|-------------|-----------|----------------|-------------|
| Type of Structure | # in | | | | | | # in | | |
| (Occupancy | Community | # in Hazard | % in Hazard | \$ in Community or | | % in Hazard | Community | # in Hazard | % in Hazard |
| Class) | of State | Area | Area | State | \$ in Hazard Area | Area | or State | Area | Area |
| Residential | 3,687 | 3,687 | 100.000% | 202,624,362 | 202,624,362 | 100.000% | 18,737 | 18,737 | 100% |
| Commercial | 677 | 677 | 100.000% | 45,066,144 | 45,066,144 | 100.000% | 0 | 0 | 0% |
| Industrial | 65 | 65 | 100.000% | 4,254,320 | 4,254,320 | 100.000% | 0 | 0 | 0% |
| Agricultural | 763 | 763 | 100.000% | 12,301,466 | 12,301,466 | 100.000% | 0 | 0 | 0% |
| Religious/ Non- | | | | | | | | | |
| profit | 38 | 38 | 100.000% | 3,349,338 | 13,270,420 | 100.000% | 0 | 0 | 0% |
| Government | 23 | 23 | 100.000% | 10,822,763 | 10,822,763 | 100.000% | 0 | 0 | 0% |
| Education | 7 | 7 | 100.000% | 6,025,369 | 6,025,369 | 100.000% | 0 | 0 | 0% |
| Utilities | 39 | 39 | 100.000% | 35,598,905 | 35,598,905 | 100.000% | 0 | 0 | 0% |
| Total | 5,299 | 5,299 | 100.000% | 320,042,667 | 329,963,749 | 103.100% | 18,737 | 18,737 | |

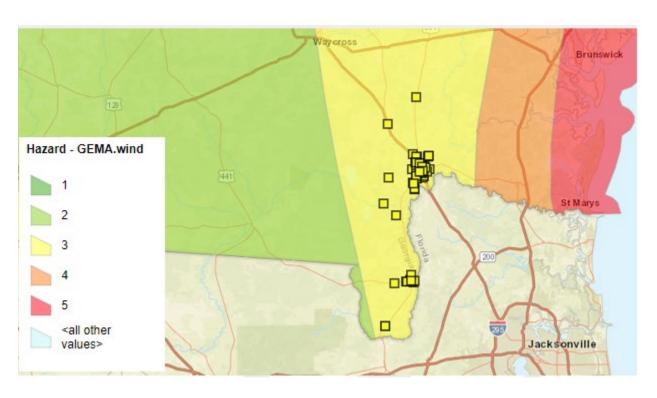
Task B. Determine whether (and where) you want to collect additional inventory data.

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

Appendix A.II – GMIS Critical Facilities Maps









Legend with Flood Zone Designations

| - Flood Control Structures | 1% Flood - Floodway (High Risk) |
|----------------------------|---------------------------------------|
| - Base Flood Elevations | 1% Flood - Zone AE (High Risk) |
| Cross Sections | 1% Flood - Zone A, AH, or AO (HighRis |
| Coastal Transects | 0.2% Flood - X-Shaded (Moderate Risk |
| FIRM Panel Index | Area of Undertermined Flood Hazard |
| | |

1% Flood - Zone VE (HighRisk) Letters of Map Revision Area Not Included

Coastal Barrier Resource Area A Limit of Moderate Wave Action

Floodway Decrease Floodway Increase

100-Year Flood Zone Decrease 100-Year Flood Zone Increase Zone Change

High Risk Zone A **Property Flood Risk:** 0.2% ANNUAL CHANCE (500 YEAR) lot Available 10% ANNUAL CHANCE 1% ANNUAL CHANCE Flood Depths*: Not Available FLOOD DEPTH FLOOD DEPTH FLOOD DEPTH Not Available (100 YEAR)

FLOOD MAP PROGRAM

UEUKUIA

Watershed: Upper Suwannee Panel: 13049C0325C Map Status: EFFECTIVE County: CHARLTON Community ID: 13049C Location Information

 Flood Depths shown on this report are derived from FEMA RiskMAP products and are rounded to the nearest tenth of a foot. These depths are calculated from HEC-RAS. modeling and represent the best available data. Only areas within a RiskMAP studied watershed will have this data available. Please check back if your area is not currently available. For more information, please visit the FEMA Map Service Center at

Nature Doesn't Read Flood Maps

Many people don't understand just how risky the floodplain can be. There is a greater than 28% chance that a non-elevated home in the SFHA will be flooded during a 30-year. mortgage period. The chance that a major fire will occur during the same period is less than 10%!

FOR MORE INFORMATION VISIT, PLEASE VISIT:

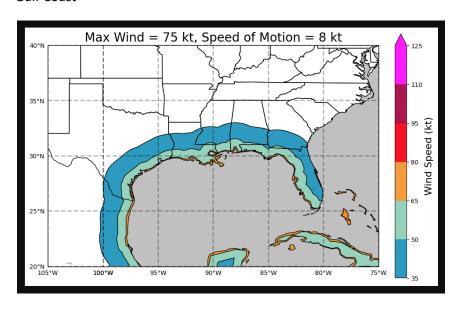


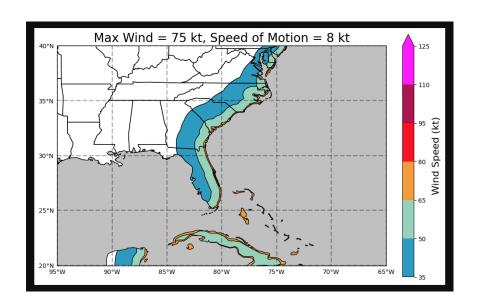
Disclaimer: This data is not to be used to determine any base flood elevations or flood zone designations for NFIP (National Flood Insurance Program) purposes. For NFIP flood insurance and regulation to purposes, please refer to the published effective FIRM (Flood Rate Insurance May) for your area of necessary and insurance Enond State. Blood State Designation and insurance and

Examples of the Maximum Envelope of Wind (Source: NOAA. http://www.nhc.noaa.gov/aboutmeow.shtml)

(Category 1, 8 knots forward motion)

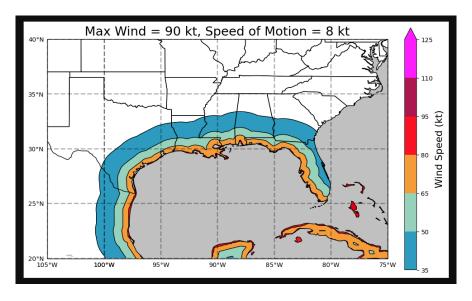
Gulf Coast

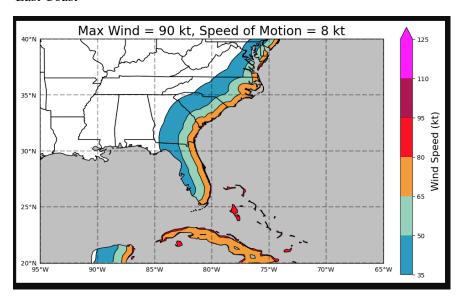




(Category 2, 8 knots forward motion)

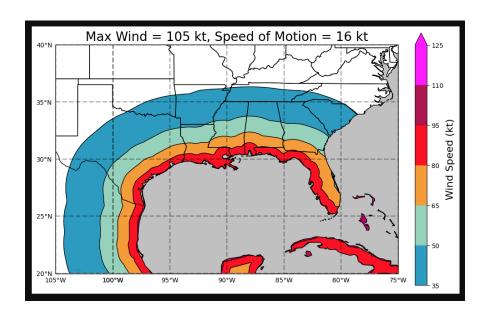
Gulf Coast

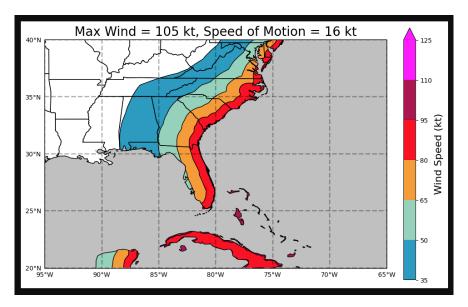




(Category 3, 16 knots forward motion)

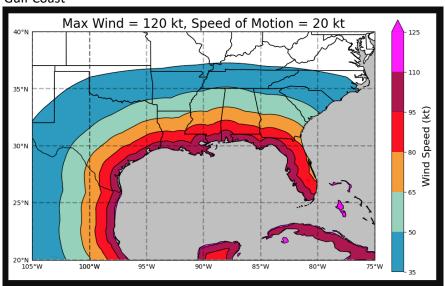
Gulf Coast

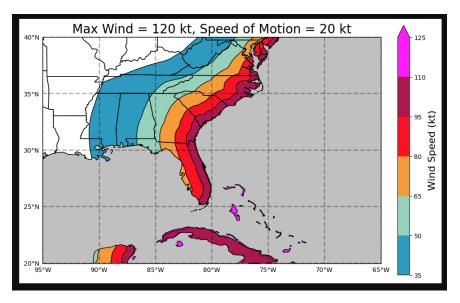




(Category 4, 20 knots, forward motion)

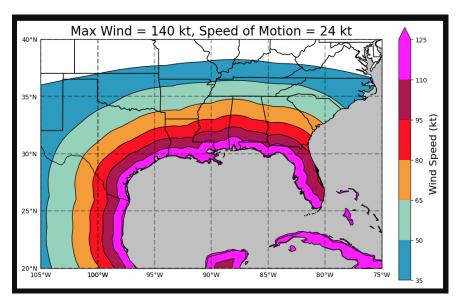
Gulf Coast

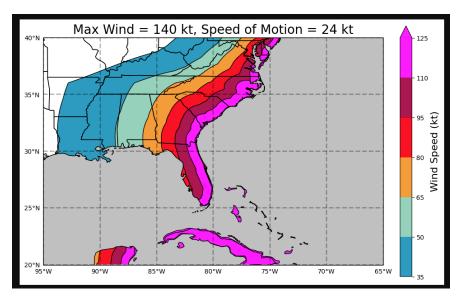




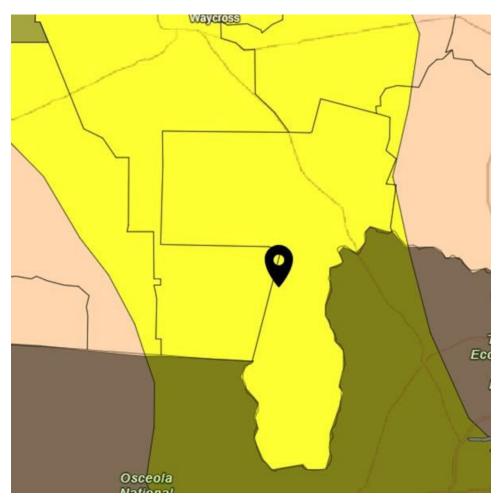
(Category 5, 24 knots, forward motion)

Gulf Coast



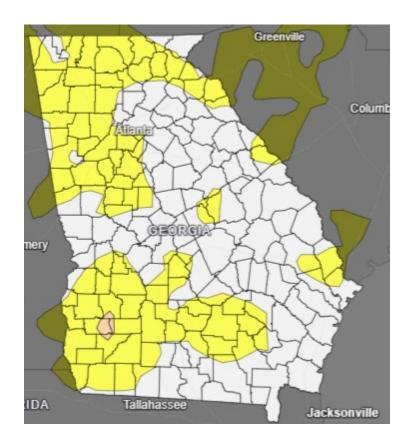


Appendix A.IV – Drought Monitor and Map



(U.S. Drought Monitor August 25, 2021)

- D4: Exceptional
- D3: Extreme
- D2: Severe
- D1: Moderate
- D0: Abnormally Dry





D0 - Abnormally Dry

Topsoil moisture decreases; planting is delayed

Fire risk is elevated

43.6% of GA (D0-D4)



D1 - Moderate Drought

· Crops are vulnerable; soil moisture is low

· Gardens and lawns require more water

Stream and pond levels are lower; water temperatures increase

0.4% of GA

(D1-D4)



D2 - Severe Drought

 Crops are stressed; hay yield is low; producers feed cattle early; planting is delayed; soil is hard; conditions are dustier than usual

· Small streams dry up; rivers are very low

· Tree mortality begins

0.0% of GA

(D2-D4)



D3 - Extreme Drought

Majority of hay/grazing is lost; agriculture suffers economic losses

· Outdoor burn bans are implemented

 Rivers and livestock ponds are dry; wells are drying up; mandatory water conservation is implemented 0% of GA

(D3-D4)



D4 - Exceptional Drought

Agricultural economy is severely impacted

· Fire risk is high; fire activity increases

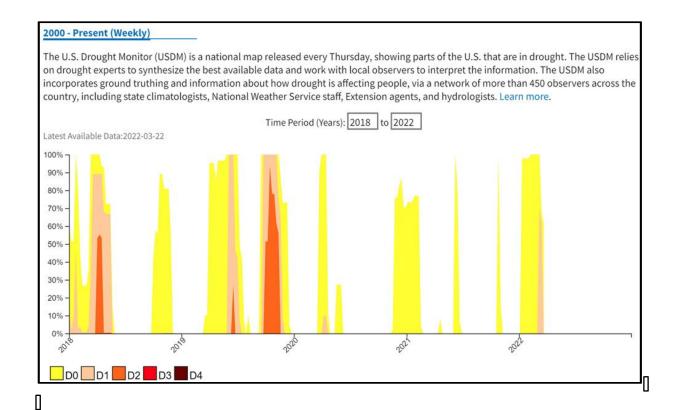
· Tree mortality is high; army worm outbreaks occur

0%

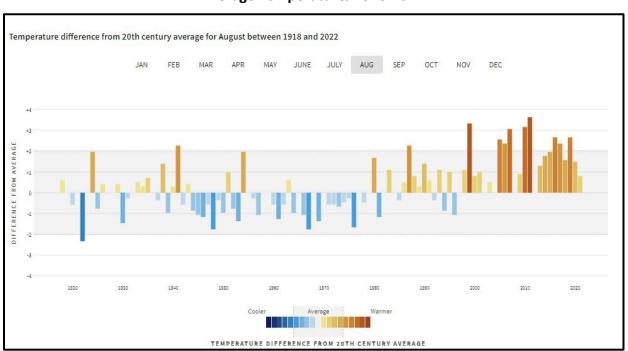
of GA

(D4)

Source(s): NDMC, NOAA, USDA

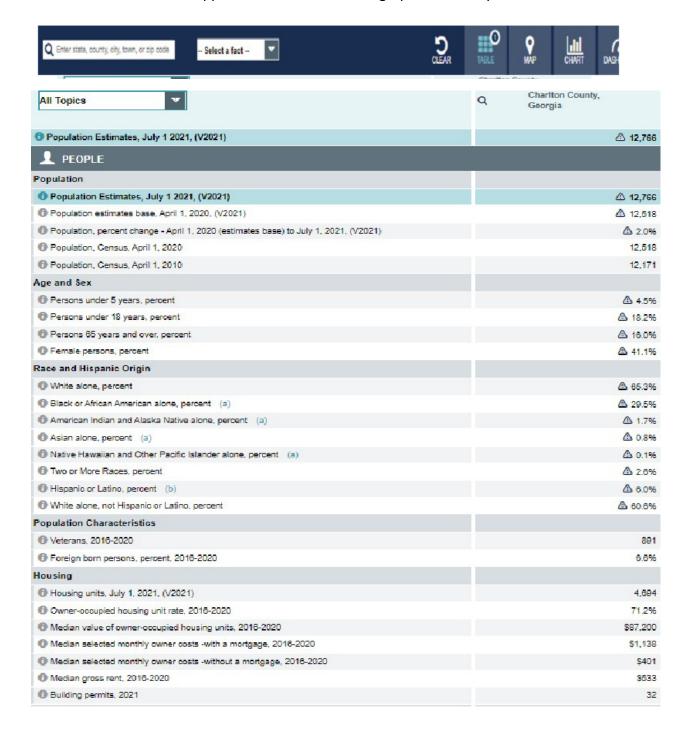


Average Temperatures 1918-2022



APPENDIX B. GROWTH AND DEVELOPMENT TRENDS

Appendix B.I - Census Demographic Summary



| Families & Living Arrangements | |
|--|---------------|
| (i) Households, 2016-2020 | 122,354,219 |
| Persons per household, 2016-2020 | 2.60 |
| Diving in same house 1 year ago, percent of persons age 1 year+, 2016-2020 | 86.2% |
| Language other than English spoken at home, percent of persons age 5 years+, 2016-2020 | 21.5% |
| Computer and Internet Use | |
| Households with a computer, percent, 2016-2020 | 91.9% |
| Households with a broadband Internet subscription, percent, 2016-2020 | 85.2% |
| Education | |
| High school graduate or higher, percent of persons age 25 years+, 2016-2020 | 88.5% |
| Bachelor's degree or higher, percent of persons age 25 years+, 2016-2020 | 32.9% |
| Health | |
| (1) With a disability, under age 65 years, percent, 2016-2020 | 8.7% |
| Persons without health insurance, under age 65 years, percent | △ 10.2% |
| Economy | |
| 1 In civilian labor force, total, percent of population age 16 years+, 2016-2020 | 63.0% |
| In civilian labor force, female, percent of population age 16 years+, 2016-2020 | 58.4% |
| 1 Total accommodation and food services sales, 2017 (\$1,000) (c) | 938,237,077 |
| 1 Total health care and social assistance receipts/revenue, 2017 (\$1,000) (c) | 2,527,903,275 |
| 1 Total transportation and warehousing receipts/revenue, 2017 (\$1,000) (c) | 895,225,411 |
| (3) Total retail sales, 2017 (\$1,000) (c) | 4,949,601,481 |
| 1 Total retail sales per capita, 2017 (c) | \$15,224 |
| Transportation | |
| Mean travel time to work (minutes), workers age 16 years+, 2016-2020 | 26.9 |
| Income & Poverty | |
| Median household income (in 2020 dollars), 2016-2020 | \$64,994 |
| Per capita income in past 12 months (in 2020 dollars), 2018-2020 | \$35,384 |
| Persons in poverty, percent | △ 11.4% |
| M BUSINESSES | |
| Businesses | |
| 1 Total employer establishments, 2020 | 8,000,178 |
| 1 Total employment, 2020 | 134,163,349 |
| 1 Total annual payroll, 2020 (\$1,000) | 7,564,809,878 |
| 1 Total employment, percent change, 2019-2020 | 0.9% |
| 1 Total nonemployer establishments, 2019 | 27,104,006 |
| All employer firms, Reference year 2017 | 5,744,643 |
| Men-owned employer firms, Reference year 2017 | 3,480,438 |
| Women-owned employer firms, Reference year 2017 | 1,134,549 |
| Minority-owned employer firms, Reference year 2017 | 1,014,958 |
| Nonminority-owned employer firms, Reference year 2017 | 4,371,152 |
| Veteran-owned employer firms, Reference year 2017 | 351,237 |
| Nonveteran-owned employer firms, Reference year 2017 | 4,968,606 |

| ⊕ GEOGRAPHY | |
|-----------------------------------|--------------|
| Geography | |
| Population per square mile, 2020 | 93.8 |
| Population per square mile, 2010 | 87.4 |
| 1 Land area in square miles, 2020 | 3,533,038.28 |
| ① Land area in square miles, 2010 | 3,531,905.43 |
| ① FIPS Code | 1 |

About datasets used in this table

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 6 icon to the left of each row in TABLE view to learn about sampling error.

The virtage year (e.g., V2021) refers to the final year of the series (2020 thru 2021). Different virtage 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 Flage

- 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 interval of an open ended distribution.
- F Fewer than 25 firms
 D Suppressed to avoid disclosure of confidential information
- 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
- \$ 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.

Appendix B.II – Tax Digest

Charlton County

GEORGIA DEPARTMENT OF REVENUE Local Government Services Division County Digest Section County:CHARLTON County #:024 Tax District:CHARLTON COUNTY Dist #: 00 Assessment %: 040 Tot Parcels:6986

| | County | Digest Se | CHOIL . | | | | | |
|---|--|---|---|---|------------|--|--|--|
| County:CHARLTON County #:024 Tax District:CHARLTON COUNTY | | | | | | | | |
| | | | | | | | | |
| | | | | | 400/ Value | | | |
| | Acres | | | | | | | |
| | (2.02 | | | | 191,480 | | | |
| | | | | | | | | |
| | , | , ,, | | 32.2 | . , , | | | |
| - | 122,987.52 | | | | 244,920 | | | |
| 865 | | 1,647,408 | | | | | | |
| _ | | | | cres | 40% Value | | | |
| 7 | 0 | 53,542 | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| 1 | | 120 | | | Bond | | | |
| | | | | _ | | | | |
| | | | | | | | | |
| Count | Acres | 40% Value | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | _ | | | | |
| | Acres | | | 0 | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| 8 | 617.14 | 790,440 | | | | | | |
| | | | | | | | | |
| | | | | ,246 | | | | |
| | | | | | | | | |
| | | | <u> </u> | | | | | |
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| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| Count | Acres | 40% Value | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| 64 | 95,659.28 | 28,591,440 | | | | | | |
| | | | | | | | | |
| | | | - | | | | | |
| | | 28,591,440 | | 0 | | | | |
| | HISTORIC | | L5 | | | | | |
| | | | | | | | | |
| Count | Acres | 40% Value | L6 L7 | | | | | |
| | Count 938 18 297 354 865 7 4 28 1 1 8 ROWNI Count 724 192 50 8 18 371 142 6 10 | AGRICULTURA Count Acres 938 18 67.07 297 2,263.78 354 122,987.52 865 7 0 4 28 1 BROWNFIELD PROF Count Acres COMMERCIAL Count Acres 724 192 147.59 50 284.91 8 617.14 18 371 142 6 10 LPA FAIR MARKET Count Acres 64 95,659.28 | County:Cl AGRICULTURAL Count Acres 40% Value 938 11.235,492 18 67.07 114,920 297 2,263.78 2,716,486 354 122,987,52 28,889,366 865 1,647,408 7 0 53,542 4 2,182 28 1,085,789 1 120 BROWNFIELD PROPERTY Count Acres 40% Value COMMERCIAL Count Acres 40% Value 724 37,548,684 192 147,59 2,060,173 50 284,91 1,158,962 8 617,14 790,440 18 6,695 371 15,227,030 142 3,085,536 6 1,634,338 10 30,659 LPA FAIR MARKET ASSMT Count Acres 40% Value | Dist #: 00 Assessment %: 040 Tot Parcels:6986 | County | | | |

| нз | | | | L8 | | |
|------|----------|-----------|------------|---------------------------|-------------|-------------|
| | IN | DUSTRIAL | | 1.9 1,010 | 16,840,016 | |
| Code | Count | Acres | 40% Value | | | |
| 11 | 58 | | 2,499,036 | TOTAL 5,023 | 61,069,895 | 0 |
| 13 | 2 | 12,21 | 37,760 | EXEMPT PROPERTY | f . | |
| 14 | 6 | 66.53 | 118,000 | | t 40% Value | |
| 15 | 3 | 975.7 | 424,040 | E0 | | |
| 17 | | | | E1 189 | 35,783,727 | |
| 19 | | | | E2 188 | 3,985,282 | |
| IA | | | | E3 41 | 317,153 | |
| IB | | | | E4 30 | 252,120 | |
| IF | 3 | | 7,191,524 | E5 4 | 1,019,143 | |
| п | 2 | | 450,496 | E6 25 | 3,924,913 | |
| IP | 2 | | 1,412,843 | E7 | | |
| IZ | | | | E8 | | |
| FORE | ST LANE | CONSERV | ATION USE | E9 17 | 299,678 | |
| Code | Count | Acres | 40% Value | | | |
| J3 | | | | TOTAL 49 | 45,582,016 | |
| J4 | | | | SUMMARY | | |
| J5 | 64 | 95,659.28 | 27,606,885 | Code Coun | Acres | 40% Value |
| J9 | | | | Agricultural 2,512 | 125,318.37 | 45,745,305 |
| | PRE | FERENTIAL | L | Brownfield Property | | |
| Code | Count | Acres | 40% Value | Commercial 1,521 | 1,049.64 | 61,542,517 |
| P3 | | | | Historical | | |
| P4 | | | | Industrial 70 | 1,054.44 | 12,133,699 |
| P5 | | | | Forest Land Cons Use 64 | 95,659.28 | 27,606,885 |
| P6 | | | | Preferential | | |
| P7 | | | | Qualified Timberland | | |
| P9 | | | | Residential 17,771 | 11,031.76 | 101,847,942 |
| Q | QUALIFII | ED TIMBER | LAND | Residential Transitional | | |
| Code | Count | Acres | 40% Value | Utility 38 | 0 | 39,115,719 |
| Q4 | | | | Conservation Use 945 | 73,221.01 | 39,442,162 |
| Q5 | | | | Environmentally Sensitive | | |
| | RE | SIDENTIAL | | Motor Vehicle 4,288 | | 3,942,760 |
| Code | Count | Acres | 40% Value | Mobile Home 1,024 | | 6,454,194 |
| R1 | 11,054 | | 77,022,729 | Timber 100% 130 | 16,209 | 11,950,145 |
| R3 | 4,023 | 3,890.62 | 13,781,920 | Heavy Equipment | 1 | 0 |
| R4 | 1,368 | 6,494.34 | 9,491,861 | Gross Digest 28,369 | 323,543.5 | 349,781,328 |
| R5 | 18 | 646.8 | 560,360 | Exemptions Bond | | |
| R6 | 534 | | 383,289 | Net Bond Digest | | 349,781,328 |
| R7 | | | | Gross Digest 28,369 | 323,543.5 | 349,781,328 |
| R9 | 10 | 0 | 16,022 | Exemptions-M&O | | 61,069,895 |
| RA | 2 | | 8,630 | Net M&O Digest | | 288,711,433 |
| RB | 760 | | 582,972 | TAX LEVIED | | |
| RF | 2 | | 159 | TYPE ASSESSED VALUE | MILLAGE | TAX |
| RI | | | | M & O 288,711,433 | .000 | 0.00 |
| RZ | | | | BOND 349,781,328 | .000 | 0.00 |
| RE | SIDENTI | AL TRANSI | TIONAL | | | |
| Code | Count | Acres | 40% Value | | | |

T1 T3

| T4 | | | |
|------|-------|--------|------------|
| | U | TILITY | |
| Code | Count | Acres | 40% Value |
| U1 | | | |
| U2 | 36 | 0 | 39,090,164 |
| U3 | | | |
| U4 | | | |
| U5 | | | |
| U7 | | | |
| U9 | 2 | 0 | 25,555 |
| UA | | | |
| UB | | | |
| UF | | | |
| UZ | | | |
| | | | |

GEORGIA DEPARTMENT OF REVENUE Local Government Services Division County Digest Section

2021 TAX DIGEST CONSOLIDATED SUMMARY

County:CHARLTON County #:024 Tax District:FOLKSTON

| | | | | Dist #: 05 Assessment %: 040 Tot Par | rcels:1063 | | |
|------------|-------------------|---------|----------------|--------------------------------------|-----------------------|-----------|----------|
| | AGRICULTURAL | | | | CONSERVATION USE | | |
| Code | Count | Acres | 40% Value | Code | Count | Acres 4 | 0% Value |
| A1 | 1 | | 24,200 | V3 | | | |
| A3 | | | | V4 | 6 | 73.91 | 161,884 |
| Α4 | 10 | 83.66 | 196,236 | V5 | 1 | 16.51 | 23,080 |
| A5 | 2 | 42.05 | 33,708 | V6 | 1 | | 680 |
| A6 | 2 | | 3,360 | | ENVIRONMENTALLY SENSI | | |
| A7 A9 | | | | Code W3 | Count | Acres 4 | 0% Value |
| AA | | | | W4 | | | |
| AB | | | | W5 | | | |
| AF | 3 | | 11,002 | ***3 | PROPERTY EXEMPTION | s | |
| AI | | | | Code | Count | M&O | Bond |
| AZ | | | | SA | 0 | 0 | |
| BF | ROWNFII | ELD PRO | PERTY | SB | 0 | 0 | |
| Code | Count | Acres | 40% Value | SF | 4 | 1,505,145 | |
| B1 | | | | SH | 0 | 0 | |
| B3 | | | | SJ | 0 | 0 | |
| B4 | | | | SP | 178 | 132,245 | |
| В5 | | | | SN | 65 | 0 | |
| B6 | | | | ST | 0 | 0 | |
| 6.4 | | MERCIA | L 40% Value | SV SW | 7 | 162,362 | |
| Code C1 | Count 449 | Acres | 35,264,404 | SX | U | 0 | |
| C3 | 144 | 92.23 | 1,861,553 | | TATE HOMESTEAD EXEMPT | TONS | |
| C4 | 23 | 104.64 | 886,922 | S1 | | 10.10 | |
| C5 | 3 | 181.11 | 383,920 | 83 | | | |
| C7 | | | | 54 | | | |
| C9 | | | | S5 | 6 | 202,118 | |
| CA | | | | S6 | | | |
| CB | | | | S7 | | | |
| CF | 209 | | 5,194,643 | S8 | | | |
| CI | 104 | | 2,039,419 | S9 | | | |
| CP | 3 | | 874,476 | SC | | | |
| CZ | 1 | MADVET | 5,932 | SD SE | 2 | 71,396 | |
| Code | PA FAIR! Count | Acres | 40% Value | SE. SG | 0 | 0 | |
| F3 | Count | Acres | 40 % Value | SS | 0 | 0 | |
| F4 | | | | | OCAL HOMESTEAD EXEMP | _ | |
| F5 | | | | LI | | | |
| F9 | | | | 1.2 | | | |
| | | | | 1.3 | | | |
| Total | | | | L4 | | | |
| | HIS | STORIC | | L5 | | | |
| Code | Count | Acres | 40% Value | 1.6 | | | |
| HI | | | | L.7 | | | |

| Н3 | | | | L8 | | | |
|-------|---------|---------|------------|---------------------------|----------------|------------|------------|
| | IND | USTRIAL | | L9 | | | |
| Code | Count | Acres | 40% Value | | | | |
| 11 | 36 | | 1,737,320 | TOTAL | 262 | 2,073,266 | 0 |
| 13 | 2 | 12.21 | 37,760 | EX | EMPT PROPERTY | | |
| 14 | 5 | 45.07 | 86,760 | Code | Count | 40% Value | |
| 15 | 2 | 94.2 | 170,200 | E0 | | | |
| 17 | | | | EI | 59 | 5,933,476 | |
| 19 | | | | E2 | 59 | 1,861,164 | |
| IA | | | | E3 | 6 | 94,177 | |
| IB | | | | E4 | 3 | 93,520 | |
| IF | 1 | | 1,567,328 | E5 | 4 | 1,019,143 | |
| II | 1 | | 449,518 | E6 | 11 | 3,472,792 | |
| IP | 1 | | 909,605 | E7 | | | |
| IZ | | | | E8 | | | |
| FORES | T LAND | CONSER | VATION USE | E9 | 3 | 197,800 | |
| Code | Count | Acres | 40% Value | | | | |
| J3 | | | | TOTAL | 145 | 12,672,072 | |
| J4 | | | | | SUMMARY | | |
| J5 | | | | Code | Count | Acres | 40% Value |
| J9 | | | | Agricultural | 18 | 125.71 | 268,506 |
| | PREF | ERENTIA | L | Brownfield Property | | | |
| Code | Count | Acres | 40% Value | Commercial | 936 | 377.98 | 46,511,269 |
| P3 | | | | Historical | | | |
| P4 | | | | Industrial | 48 | 151.48 | 4,958,491 |
| P5 | | | | Forest Land Cons Use | | | |
| P6 | | | | Preferential | | | |
| P7 | | | | Qualified Timberland | | | |
| P9 | | | | Residential | 2,321 | 915 | 17,563,170 |
| QI | UALIFIE | D TIMBE | RLAND | Residential Transitional | | | |
| Code | Count | Acres | 40% Value | Utility | 12 | 0 | 4,466,043 |
| Q4 | | | | Conservation Use | 8 | 90.42 | 185,644 |
| Q5 | | | | Environmentally Sensitive | | | |
| | RESI | DENTIAL | L | Motor Vehicle | 660 | | 654,180 |
| Code | Count | Acres | 40% Value | Mobile Home | 147 | | 704,988 |
| RI | 1,362 | | 13,504,767 | Timber 100% | 3 | 20 | 12,693 |
| R3 | 789 | 542.04 | 3,008,725 | Heavy Equipment | 0 | | 0 |
| R4 | 77 | 324.78 | 845,223 | Gross Digest | 4,153 | 1,680.59 | 75,324,984 |
| R5 | 1 | 48.18 | 141,080 | Exemptions Bond | | | |
| R6 | 25 | | 19,160 | Net Bond Digest | | | 75,324,984 |
| R7 | | | | Gross Digest | 4,153 | 1,680.59 | 75,324,984 |
| R9 | | | | Exemptions-M&O | | | 2,073,266 |
| RA | | | | Net M&O Digest | | | 73,251,718 |
| RB | 67 | | 44,215 | _ | TAX LEVIED | | |
| RF | | | | TYPE | ASSESSED VALUE | MILLAGE | TAX |
| RI | | | | M & O | 73,251,718 | | 594,364.44 |
| RZ | | | | BOND | 75,324,984 | | |
| | IDENTIA | L TRANS | ITIONAL | | | | |
| Code | Count | Acres | 40% Value | | | | |
| TI | | | | | | | |

Code C T1 T3

| T4 | | | |
|------|-------|--------|-----------|
| | UT | TILITY | |
| Code | Count | Acres | 40% Value |
| U1 | | | |
| U2 | 11 | 0 | 4,441,815 |
| U3 | | | |
| U4 | | | |
| U5 | | | |
| U7 | | | |
| U9 | 1 | 0 | 24,228 |
| UA | | | |
| UB | | | |
| UF | | | |
| UZ | | | |

GEORGIA DEPARTMENT OF REVENUE Local Government Services Division County Digest Section

2021 TAX DIGEST CONSOLIDATED SUMMARY

County:CHARLTON County #:024 Tax District:HOMELAND Dist #: 10 Assessment %: 040 Tot Parcels:522

| | | | | Dist #: 10 Assessment %: 040 Tot Parcels:522 | | | |
|------------|--------------|---------|-----------|--|--------|---------|----------|
| | AGRICULTURAL | | | CONSERVATION USE | | | |
| Code | Count | Acres | 40% Value | Code | Count | Acres 4 | 0% Value |
| A1 | 11 | | 234,769 | V3 | | | |
| A3 | 5 | 1.43 | 5,160 | V4 | 10 | 152.57 | 182,160 |
| A4 | 11 | 34.74 | 46,400 | V5 | 5 | 155.39 | 139,800 |
| A5 | 5 | 167.38 | 117,600 | V6 | | | |
| A6 | 20 | | 18,524 | ENVIRONMENTALLY | SENSIT | TIVE | |
| A7 | | | | Code | Count | Acres 4 | 0% Value |
| A9 | | | | W3 | | | |
| AA | | | | W4 | | | |
| AB | | | | W5 | | | |
| AF | 1 | | 672 | PROPERTY EXEM | PTIONS | s | |
| AI | | | | Code | Count | M&O | Bond |
| AZ | | | | SA | 0 | 0 | |
| BI | ROWNFII | ELD PRO | PERTY | SB | 0 | 0 | |
| Code | Count | Acres | 40% Value | SF | 0 | 0 | |
| B1 | | | | SH | 0 | 0 | |
| В3 | | | | SJ | 0 | 0 | |
| B4 | | | | SP | 68 | 29,156 | |
| B5 | | | | SN | 1 | 0 | |
| B6 | | | | ST | 0 | 0 | |
| | COM | MERCIA | L | SV | 15 | 263,371 | |
| Code | Count | Acres | 40% Value | SW | 0 | 0 | |
| C1 | 42 | | 327,289 | SX | | | |
| C3 | 10 | 11.39 | 32,440 | STATE HOMESTEAD EX | KEMPT | IONS | |
| C4 | 5 | 30.98 | 72,000 | S1 | | | |
| C5 | | | | 83 | | | |
| C7 | | | | S4 | | | |
| C9 | | | | 85 | 0 | 0 | |
| CA | | | | S6 | | | |
| CB | | | | \$7 ~~ | | | |
| CF | 24 | | 86,845 | S8 | | | |
| CI | 3 | | 12,434 | 89 | | | |
| CP | | | | SC | | | |
| CZ | | | | SD | 1 | 28,228 | |
| | PA FAIR! | | | SE | 0 | 0 | |
| Code | Count | Acres | 40% Value | SG | 0 | 0 | |
| F3 | | | | SS LOCAL HOMESTEAN | 0 | 0 | |
| F4 F5 | | | | LOCAL HOMESTEAD E | AEMIPI | HONS | |
| F9 | | | | 1.1 1.2 | | | |
| 19 | | | | | | | |
| Total | | | | 1.3 | | | |
| 10011 | 1216 | STORIC | | 1.4 | | | |
| Code | | | 40% Value | 1.5 | | | |
| Code H1 | Count | Acres | 40% vaide | 1.6 1.7 | | | |
| *** | | | | 1.7 | | | |

| | | | L8 | | | | Н3 |
|------------|-----------|------------------|---------------------------|------------------------|---------|--------|--------------|
| | | | L9 | | USTRIAL | IND | |
| | | | | 40% Value | Acres | Count | Code |
| 0 | 320,755 | 85 | TOTAL | | | | 11 |
| | | EMPT PROPERTY | | | | | 13 |
| | 40% Value | Count | Code | | | | 14 |
| | | | E0 | | | | 15 |
| | 362,977 | 39 | El | | | | 17 |
| | 336,580 | 22 | E2 | | | | 19 |
| | | | E3 | | | | IA |
| | 5,640 | 1 | E4 | | | | IB |
| | | | E5 | | | | IF |
| | | | E6 | | | | II IP |
| | | | E7 | | | | |
| | | | E8 | ATION HEE | CONCERN | E LAND | IZ |
| | | | E9 | ATION USE 40% Value | Acres | Count | OKES Code |
| | 705 107 | 62 | TOTAL | 40% Value | Acres | Count | J3 |
| | 705,197 | SUMMARY | TOTAL | | | | J4 |
| 40% Value | Acres | Count | Code | | | | J5 |
| 423,125 | 203.55 | 53 | Agricultural | | | | J9 |
| 120,120 | 200.00 | | Brownfield Property | L. | ERENTIA | PREF | 97 |
| 531,008 | 42.37 | 84 | Commercial | 40% Value | Acres | Count | ode |
| , | | - | Historical | 40 /0 / 11111 | Acres | Count | P3 |
| | | | Industrial | | | | P4 |
| | | | Forest Land Cons Use | | | | P5 |
| | | | Preferential | | | | P6 |
| | | | Qualified Timberland | | | | P7 |
| 6,241,163 | 481.98 | 1,563 | Residential | | | | P9 |
| | | | Residential Transitional | RLAND | TIMBE | ALIFIE | QI |
| 1,709,552 | 0 | 9 | Utility | 40% Value | Acres | Count | Code |
| 321,960 | 307.96 | 15 | Conservation Use | | | | Q4 |
| | | | Environmentally Sensitive | | | | Q5 |
| 134,710 | | 187 | Motor Vehicle | | DENTIAL | RESI | |
| 638,605 | | 100 | Mobile Home | 40% Value | Acres | Count | Code |
| 0 | 0 | 0 | Timber 100% | 5,038,640 | | 1,025 | R1 |
| 0 | | 0 | Heavy Equipment | 893,864 | 325.13 | 435 | R3 |
| 10,000,123 | 1,035.86 | 2,011 | Gross Digest | 279,400 | 156.85 | 42 | R4 |
| | | | Exemptions Bond | | | | R5 |
| 10,000,123 | | | Net Bond Digest | 7,140 | | 7 | R6 |
| 10,000,123 | 1,035.86 | 2,011 | Gross Digest | | | | R7 |
| 320,755 | | | Exemptions-M&O | 2,000 | 0 | 1 | R9 |
| 9,679,368 | | | Net M&O Digest | | | | RA |
| | | TAX LEVIED | | 20,119 | | 53 | RB |
| TAX | | ASSESSED VALUE ! | TYPE | | | | RF |
| 29,715.66 | 3.070 | 9,679,368 | M & O | | | | RI |
| | | 10,000,123 | BOND | | | | RZ |
| | | | | ITIONAL | | | |
| | | | | 40% Value | Acres | Count | Code |
| | | | | | | | TI |
| | | | | | | | T3 |

T4

| UTILITY | | | | | | | | | |
|---------|-------|-------|-----------|--|--|--|--|--|--|
| Code | Count | Acres | 40% Value | | | | | | |
| U1 | | | | | | | | | |
| U2 | 9 | 0 | 1,709,552 | | | | | | |
| U3 | | | | | | | | | |
| U4 | | | | | | | | | |
| U5 | | | | | | | | | |
| U7 | | | | | | | | | |
| U9 | | | | | | | | | |
| UA | | | | | | | | | |
| UB | | | | | | | | | |
| UF | | | | | | | | | |
| UZ | | | | | | | | | |

APPENDIX C. OTHER PLANNING DOCUMENTS

Appendix C. I – 2020 Comprehensive Plan Short Term Work Program

Chariton County 5-Year Community Work Program Update (2021 - 2025)

| PROJECTS | ESTIMATED COST | RESPONSIBLE PARTY | FUNDING SOURCE | GOAL | FY 21 | FY 22 | FY 23 | FY 24 | FY 25 |
|---|-------------------|---|--|------|----------|----------|----------|----------|----------|
| CULTURAL RESOURCES | | | | | | | | | |
| Display items of historical significance at the Chamber of Commerce building and on the Chamber website. | Staff time | Okefenokee Chamber of Commerce | General Fund | 4 | х | х | х | х | х |
| ECONOMIC DEVELOPMENT | | | | | | | | | |
| Provide funding for Charlton/Folkston Development Authority and its programs. | \$29,000 per year | Charlton County | General Fund | 1 | х | Х | х | Х | х |
| Provide funding to the Chamber of Commerce for promotion of the County to attract business and promote eco-tourism. | \$10,000 per year | Charlton County | General Fund | 1 | х | х | х | х | x |
| Participate in workforce development. | \$7,500 | Charlton County | General Fund | 1 | X | X | Х | X | X |
| Improve the General Class Business Airport. | \$25,000 per year | Charlton County | General Fund | 1 | X | X | X | Х | X |
| Evaluate methods of incentivizing medical services to locate in the County. | Staff time | Charlton County; Chamber of Commerce | General Fund | 1 | х | Х | Х | Х | Х |
| HOUSING | | | | | | | | | |
| Provide funding for building and code enforcement program. | \$40,000 per year | Charlton County | General Fund | 2 | х | х | х | х | х |
| Conduct review of ordinances on an as-needed basis. | \$2,500 | Charlton County | General Fund | 2 | х | х | х | х | х |
| Establish & Maintain Firewise Community Programs/Plans for all communities within the county. | \$80,000 | Charlton County, City of Folkston, City of Homeland | Georgia Forestry Commission | 2 | х | x | x | х | x |
| Fund neighborhood revitalization to address substandard housing within the Thomas Camp neighborhood. | \$750,000/project | Charlton County | General Fund, CDBG, grants, CHIP | 2 | х | х | х | | |
| Fund housing rehabilitation to upgrade the quality of existing substandard housing within the northeast border of Folkston; specifically the area of SR 252 and HWY 40. | \$750,000/year | Charlton County | General Fund, CDBG, grants, CHIP | 2 | х | х | x | х | x |

| LAND USE | | | | | | | | | |
|--|-----------------------------|--------------------------|--|---|---|---|---|---|---|
| Adopt a Zoning Ordinance in an effort to support land uses that encourage growth, enhance economic development, provide employment opportunities, and promote environmental sustainability. | \$15,000 | Charlton County | General Fund | 6 | х | x | х | х | х |
| NATURAL RESOURCES | | | | | | | | | |
| Provide funding and support for the St Marys River Management Committee. | \$800/year | Charlton County | General Fund | 3 | х | Х | х | Х | Х |
| Develop a Master Plan for outdoor recreation that will not contribute adverse environmental impacts. | \$15,000 (one- time fee) | Charlton County | General Fund | 3 | х | Х | Х | Х | X |
| Implement recommendations from the Master Plan for outdoor recreation to support increased river access and sports programming and facilities. | \$300,000 | Charlton County | General Fund, SPLOST, grants | 3 | х | x | х | х | x |
| Implement the highest priority management measures recommended in the Spanish Creek Watershed Management Plan to address fecal coliform and dissolved oxygen impairments in Spanish Creek. | \$650,000 | Charlton County | 319 grant, General Fund, grants | 3 | х | х | х | х | х |
| TRANSPORTATION | | | | | | | | | |
| Pave portions of Newell Road and other Connector Roads. | \$500,000 | Charlton County | General Fund, SPLOST, grants | 7 | х | x | х | х | × |
| Maintain Roads & Bridges, to include street paving and Drainage. | \$500,000 per year | Charlton County | General Fund, SPLOST, grants, CDBG | 7 | Х | Х | Х | X | Х |
| Resurface Suwannee Canal Road with Bike Lane from Hwy 121 to Refuge. | \$750,000 | Charlton County and ONWR | General Fund, SPLOST, grants | 7 | х | х | х | х | х |
| Support regional efforts to identify and support bicycle trails and supportive infrastructure. | \$15,000 | Charlton County | General Fund, SPLOST, grants | 7 | х | x | х | х | X |
| Upgrade dirt roads to paved roads with associated improvements (curb, gutter, drainage, and sidewalks) in the St. George community. | \$750,000 per year | Charlton County, GDOT | SPLOST, TSPLOST, CDBG, grants | 7 | | | х | х | × |

| PROJECTS | COST | RESPONSIBLE PARTY | FUNDING SOURCE | GOAL | FY 21 | FY 22 | FY 23 | FY 24 | FY 25 |
|--|--------------|---|--|------|----------|----------|----------|----------|----------|
| BROADBAND | | | | | | | | | |
| Provide adequate high speed broadband access for local industries and commercial businesses. | \$10,000,000 | Charlton County, City of Folkston, Public/Private Partnership | General Fund, SPLOST, grants, private funding | 9 | х | x | x | х | x |
| Adopt a Broadband Ordinance. | Staff time | Charlton County | General Fund | 9 | X | Х | Х | Х | Х |
| Apply for Broadband Ready Certification. | Staff time | Charlton County | General Fund | 9 | X | Х | Х | Х | X |
| Review and reduce any obstacles to roll-out or development of broadband infrastructure. | Staff time | Charlton County | General Fund | 9 | X | Х | Х | Х | X |

<u>City of Folkston 5-Year Community Work Program Update</u> (2021 - 2025)

| PROJECTS | COST | RESPONSIBLE PARTY | FUNDING SOURCE | GOAL | FY 21 | FY 22 | FY 23 | FY 24 | FY 25 |
|---|----------------------|-------------------|---------------------------|------|-------|-------|-------|-------|-------|
| CULTURAL RESOURCES | | | | | | | | | |
| Support programs and agencies that promote and protect the historical and unique character of Folkston. | \$20,000 | City of Folkston | General Fund | 4 | x | х | x | x | x |
| NATURAL RESOURCES | | | | | | | | | |
| Complete water audits to reduce number of gallons not metered. | \$10,000 per year | City of Folkston | Water-sewer funds, grants | 4 | × | X | X | х | x |
| Support programs that encourage and promote eco-tourism for local businesses. | \$10,000 per year | City of Folkston | General Fund | 4 | х | х | х | х | х |
| ECONOMIC DEVELOPMENT | | | * | to . | | | | | |
| Provide funding for the Charlton/Folkston Development Authority. | \$26,000 | City of Folkston | General Fund | 1 | х | х | х | х | х |
| Revitalize the core downtown business districts. | \$25,000 | City of Folkston | General Fund, grants | 1 | × | Х | х | х | X |
| Provide funding and support for the Chamber of Commerce. | \$35,000 | City of Folkston | General Fund | 1 | × | Х | х | х | Х |
| HOUSING | | 100- | | | | | | | |
| Request property owners clean up and maintain areas per the Dangerous Building Ordinance. | \$10,000 per year | City of Folkston | General Fund | 2 | х | х | х | х | х |
| LAND USE | | | | | | | | | |
| Revise ordinances in conflict with desired development and growth patterns. | \$15,000 per year | City of Folkston | General Fund | 6 | × | X | х | х | х |

| PROJECTS | COST | RESPONSIBLE PARTY | FUNDING SOURCE | GOAL | FY 21 | FY 22 | FY 23 | FY 24 | FY 2 |
|--|-------------------------------|-------------------|--------------------------------------|------|-------|-------|-------|-------|------|
| Support and enforce land use regulations. | \$10,000 per year | City of Folkston | General Fund | 6 | х | Х | Х | Х | х |
| COMMUNITY FACILITIES & SERV | ICES | | | | | | | | |
| Complete maintenance on the train museum located in the historic depot. | \$20,000 per year | City of Folkston | SPLOST, CDBG, General Fund | 5 | x | х | х | х | x |
| Maintain the Veteran's Park. | \$20,000 per year | City of Folkston | SPLOST, CDBG, General Fund | 5 | х | х | Х | Х | х |
| Repair, refurbish, and replace defective wastewater lift stations, manholes, and distribution lines. | \$100,000 | City of Folkston | General Fund | 5 | x | х | Х | х | х |
| Provide funding and monthly support for the Charlton County Library. | \$25,000 per year | City of Folkston | General Fund | 5 | x | х | х | х | х |
| Improve and maintain the rail viewing platform. | \$20,000 per year | City of Folkston | SPLOST, CDBG, General Fund | 5 | Х | Х | Х | Х | Х |
| Repair and replace defective water/sewer lines. | \$25,000 per year | City of Folkston | Water/Sewer funds, grants, SPLOST | 5 | X | Х | Х | Х | Х |
| Expand water system and build 1.5 MGD wastewater treatment plant. | \$10,000,000- \$12,000,000 | City of Folkston | USDA Loan/Grant program | 5 | x | х | х | х | х |
| INTERGOVERNMENTAL COORDI | NATION | | | | | | | | |
| Participate in committees, groups, and organizations promoting intergovernmental coordination. | \$5,000 per year | City of Folkston | General Fund | 8 | х | х | х | х | х |
| Pursue intergovernmental cooperation between Cities, County, and all boards and authorities. | \$5,000 per year | City of Folkston | General Fund | 8 | x | x | × | × | x |

| | - | | | | - | | | | |
|---|--------------|--|---|---|---|---|---|---|---|
| BROADBAND | | | | | | | | | |
| Provide adequate high speed broadband access for local industries and commercial businesses. | \$10,000,000 | City, County, Public/Private Partnership | General Fund, SPLOST, grants, private funding | 9 | x | х | Х | х | х |
| Adopt a Broadband Ordinance. | Staff time | City of Folkston | General Fund | 9 | X | X | X | X | X |
| Apply for Broadband Ready Certification. | Staff time | City of Folkston | General Fund | 9 | X | Х | х | х | х |
| Review and reduce any obstacles to roll-out or development of broadband infrastructure. | Staff time | City of Folkston | General Fund | 9 | x | х | х | х | x |
| TRANSPORTATION | | | | | | | | | |
| Support drainage and paving of unpaved roads as funding is available. | \$1,000,000 | City of Folkston | LARP, DOT, General Fund, CDBG, SPLOST | 7 | х | х | х | х | х |

<u>City of Homeland 5-Year Community Work Program Update</u> (2021 - 2025)

| PROJECTS | ESTIMATED COST | RESPONSIBLE PARTY | FUNDING SOURCE | GOAL | FY 21 | FY 22 | FY 23 | FY 24 | FY 25 |
|---|------------------------|-------------------|---|------|----------|----------|----------|----------|----------|
| ECONOMIC DEVELOPMENT | | | | 3 | | (=) (| | | |
| Fund the Homeland Economic Development Authority and its programs. | \$50,000 | City of Homeland | General Fund | 1 | х | Х | х | Х | Х |
| HOUSING | | | | | | | | | |
| Fund the building and code enforcement program. | \$25,000 | City of Homeland | Fees and General Fund | 2 | Х | Х | Х | Х | Х |
| COMMUNITY FACILITIES & SERVICES - | | | | | | | | | |
| Upgrade all recreational facilities and parks on an as- needed basis. | \$20,000 | City of Homeland | General Fund, grants | 5 | х | х | Х | Х | X |
| Upgrade water system facilities and infrastructure on an as needed basis. | \$50,000 | City of Homeland | CDBG, USDA, grants, and General Fund | 5 | х | x | х | х | x |
| Construct new City Hall with built in fireproof vault. | \$300,000 | City of Homeland | CDBG, USDA, grants, and General Fund | 5 | X | x | х | X | X |
| Maintain and replace existing fleet on an as-needed basis. | \$25,000 - \$30,000 | City of Homeland | General Fund, grants, and SPLOST | 5 | х | X | Х | Х | X |
| BROADBAND | | | | | | | | | |
| Encourage broadband internet providers to offer services within Homeland. | Staff Time | City of Homeland | General Fund | 9 | х | х | Х | Х | x |
| TRANSPORTATION - | | | | | | | | | |
| Provide storm water drainage improvements to Nature Trail Estates Subdivision. | \$100,000 | City of Homeland | LMIG, DOT, CDBG, SPLOST, and General Fund | 7 | х | х | х | х | х |
| Resurface roads on an as needed basis. | \$100,000 | City of Homeland | General Fund, SPLOST, DOT | 7 | х | х | Х | Х | х |



Community Wildfire Protection Plan An Action Plan for Wildfire Mitigation and Conservation of Natural Resources Charlton County, Georgia



Prepared by;

Roger Todd, Chief Ranger, Charlton County Will Fell, CWPP Specialist (Initial Plan 2010, updated 2016) Beryl Budd, Wildfire Prevention Specialist (Revised 2018)

Georgia Forestry Commission 33152 Hwy 121 Folkston, GA 31537

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

| I. Objectives | 44 |
|--|-----------------------------|
| II. Community Collaboration | 44 |
| III. Community & Wildfire History | 45 |
| IV. Community Base Maps | Error! Bookmark not defined |
| V. Community Wildfire Risk Assessment | 61 |
| VI. Southern Wildfire Risk Assessment & Risk Hazard Maps | 65 |
| VII. Prioritized Mitigation Recommendations | 74 |
| VIII. Action Plan | 80 |
| IX. Mitigation Assistance & Grant Information | 83 |
| X. Glossary | 84 |
| XI Sources of Information | |

Appended Documents

Charlton County Southern Wildfire Risk Assessment Summary Report (SWRA)

Charlton 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 Charlton 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 on August 9, 2009 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:

Charlton County Government
Charlton County Fire
Rescue
Emergency Management
Board of County Commissioners
Georgia Forestry Commission
US Fish and Wildlife Service.

It was decided to conduct community assessments on the basis of the on high risk communities and the individual fire districts in the county. The chiefs of the six fire departments in the county assessed their districts and reconvened on September 23, 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



Charlton County, in southeast Georgia, is the state's 111th county. Comprising 781 square miles, the county borders Florida and includes most of the

Okefenokee Swamp. It was carved from a part of Camden County and officially recognized by the state legislature in 1854. Portions of Ware

County were added to Charlton in 1855. Charlton County was named for Robert Milledge Charlton, a nineteenth-century jurist, U.S. senator, and mayor of Savannah. The current courthouse was built in 1928 and placed on the National Register of Historic Places in

1980. The area was originally inhabited by Creek Indians, and the first white settlers came from neighboring counties in Florida, North Carolina, and South Carolina.

Folkston, the county seat of Charlton since 1901, became the focal point for transportation after the arrival of railroads in the 1880s and grew to become the county's largest city by the end of the nineteenth century. Named after William Brandon Folks of Waycross, Folkston was not officially incorporated until 1911. For many years it was the major stopping point for railroad passengers traveling between Florida and points north, giving rise to a number of fine hotels around the train depot. The depot has today been restored, and it now houses the Okefenokee Chamber of Commerce and the Folkston—Charlton County Development Authority.

The major attraction in the county is the Okefenokee Swamp. Floyds Island Hammock (also known as the Hebard Cabin) in the swamp is the site of a cabin used by naturalists and writers in the 1930s. Folkston Train Depot and the "Folkston Funnel" Train Viewing Platform have been restored, allowing railroad fans to see as many as sixty trains go by within one twenty-four-hour period. Old Folkston Grammar School, built in 1926 and recently renovated, is now the home of the Okefenokee Education and Research Center. Sponsored by the City of Folkston and the Georgia Wildlife Federation, the center includes a 2,700-square-foot exhibit area and the Okefenokee Heritage Garden,

representing four local habitats. The William Mizell House, on four acres of "urban forest," is a two-story wood-frame house with a greenhouse and pavilion and is included on the National Register of Historic Places. Located on Route 2, Sardis Church, built around 1821, is the oldest church in the county. (New Georgia Encyclopedia)

More than 98 percent of the county's land is forest, making it the most timbered of Georgia's counties. Rich titanium deposits lie between Charlton and neighboring Ware County, much of it bordering the Okefenokee National Wildlife Refuge. In 1997 concerned county residents protested the DuPont Company's plan for a titanium strip mine, resulting in the company's eventual donation of 16,000 acres to the people of Georgia—the largest land preservation gift in Georgia history.

Annual events include National Wildlife Week and Earth Day Art Festival, the Okefenokee Festival, the Folkston RailWatch, the Cherokee of Georgia Council Spring Pow Wow, and the Mizell House Gala.

According to the 2010 U.S. census, the county population was 12,171 (68.6 percent white, 28.5 percent black, and 2.5 percent Hispanic, .6 percent Native American, .4 percent Asian), a 6.5 percent increase since 2010. (US Census Bureau 2016) *Wildfire History*

Charlton County, one of the largest counties in Georgia in land area, is also one of the most heavily forested with 98% of the land area in forest. Even though a large portion of the western part of the county is within the confines of Okefenokee National Wildlife Refuge, there are still almost 300,000 acres of commercial timberland within the confines of the county. The county is oriented such that it is over 50 road miles from the southernmost Big Bend area to the Brantley County line on the north. While the main population center is Folkston near the center of the county there are several small communities and developments spread the length of the county with a significant risk as wildland urban interface around them.

Charlton County is protected by Charlton County Fire Rescue (CCFR) consisting of 5 strategically placed fire stations in the main communities of Charlton County; Folkston, Saint

George, Race Pond, Winokur and Georgia Bend Communities. The CCFR is a combination

Department consisting of one career position serving as the Fire Chief, with Volunteer Firefighters filling the remainder of the department's personnel. As of August 2016 the CCFR manpower consisted of 60 members including the Chief. The Georgia Forestry Commission maintains a county protection unit located about three miles south of Folkston on Hwy 121 to respond to wildfires throughout the county. The city of Folkston and the adjacent incorporated town of Homeland are serviced by a pressurized water system with hydrants well placed throughout the city.

Over the past fifty years, Charlton County has averaged 74 reported wildland fires per year. The occurrence of these fires is fairly uniform throughout the year with a slight peak in the months of February and March and a slight decrease during the fall months. These fires have burned an average of 1,002 acres annually. While the numbers of fires remain fairly similar every month, there is a marked difference in the monthly acreage lost. The monthly acres lost during the late winter through summer period show a ten-fold increase over the acres lost during the fall and early winter. Additionally, while the annual numbers of fires have not increased noticeably during the 50-year period that records are available, the annual acreage lost appears to have increased in later years. This perhaps a result of the decrease in the practice of prescribed burning and the resultant increase in wildland fuel loadings. Despite this alarming trend in fire behavior, more homes are being built outside of traditional communities into the wildland urban interface. The leading causes of these fires, was lightning and debris burning causing 23% and 22% respectively of the fires and 12% and 32% respectively of the acres burned. More alarming is that incendiary or arson while causing only 17% of the fires account for 45% of the acres lost.

During the last 10 years, fiscal year 2008 thru 2017, the county has averaged having 46 wildfires annually with an average size of 85 acres per fire. Lightning has been the major cause during these years, causing 38% and burning 80% of the total acres. Debris burning is the 2nd leading cause accounting for 18% of the fires and burning 3% of the acres. Incendiary (arson) and machine use are also leading causes with each accounting for 12% of these fires and respectively 1% and 12% of the acreage burned during these years.

Georgia Forestry Commission Wildfire Records show that in the past five years, FY2014 – FY2018, 6 Homes have been lost or damaged by wildfire in Charlton County resulting in estimated losses of \$714,000 along with 20 outbuildings valued at \$788,500. According to reports during this period 263 homes have been directly or indirectly threatened by these fires.

Additionally, 5 vehicles valued at \$35,000 and 5 pieces of other mechanized equipment suffered damages estimated at \$13.700. This is a substantial loss of non-timber property attributed to wildfires in Charlton County.

It is of significance that the Okefenokee National Wildlife Refuge lies partially within Charlton County. This National Wildlife Refuge, a component of the US Department of the Interior, encompasses 186,565 acres in Charlton County and has a well-documented history and occurrence of wildfires. The majority of the refuge is nationally designated wilderness, and is inaccessible to fire suppression equipment. Large fire occurrence had trended to a 4-6-year cycle over the past 20-

year period, with most of the larger fires occurring during moderate to severe droughts. The fires occurring are during this period are almost exclusively lightning fires. These large refuge fires do have a profound impact to local GFC units, personnel and equipment. Resent large wildfires occurring on refuge lands and beyond the refuge boundary have burned hundreds of thousands of acres and have burned for periods of several months to a year before being declared out.

**Please note that wildfires occurring on the Okefenokee National Wildlife Refuge are not reflected in following tables.



Wildfires usually occur from lightning in the Okefenokee National Wildlife Refuge

Charlton County wildfire activity during the last complete fiscal year, July 1, 2017 thru June 30 2018. This table also includes averages for the last 5 years.

| County = Charlton | Cause | Fires | Acres | Fires 5 Yr Avg | Acres 5 Yr Avg |
|---|---|-------|-------|----------------------|----------------------|
| Campfire | Campfire | 0 | 0.00 | 0.60 | 1.15 |
| <u>Children</u> | Children | 0 | 0.00 | 0.20 | 0.10 |
| Debris: Ag Fields, Pastures, Orchards, Etc | Debris: Ag Fields, Pastures, Orchards, Etc | 0 | 0.00 | 0.40 | 4.90 |
| Debris: Escaped Prescribed Burn | Debris: Escaped Prescribed Burn | 3 | 1.05 | 3.20 | 17.47 |
| Debris: Household Garbage | Debris: Household Garbage | 0 | 0.00 | 0.20 | 0.06 |
| Debris: Other | Debris: Other | 1 | 1.90 | 0.60 | 0.96 |
| Debris: Residential, Leafpiles, Yard, Etc | Debris: Residential, Leafpiles, Yard, Etc | 5 | 3.50 | 2.80 | 4.12 |
| <u>Debris: Site Prep - Forestry</u> <u>Related</u> | Debris: Site Prep - Forestry Related | 3 | 3.40 | 1.80 | 14.37 |
| Incendiary | Incendiary | 1 | 11.60 | 3.60 | 41.68 |
| Lightning | Lightning | 4 | 25.60 | 12.80 | 5,912.00 |
| Machine Use | Machine Use | 2 | 0.30 | 2.00 | 1.42 |
| Miscellaneous: Cutting/Welding/Grinding | Miscellaneous: Cutting/Welding/Grinding | 0 | 0.00 | 0.40 | 0.18 |
| Miscellaneous: Firearms/Ammunition | Miscellaneous: Firearms/Ammunition | 0 | 0.00 | 0.20 | 0.02 |
| Miscellaneous: Fireworks/Explosives | Miscellaneous: Fireworks/Explosives | 0 | 0.00 | 0.20 | 0.44 |
| Miscellaneous: Other | Miscellaneous: Other | 0 | 0.00 | 1.80 | 2.32 |

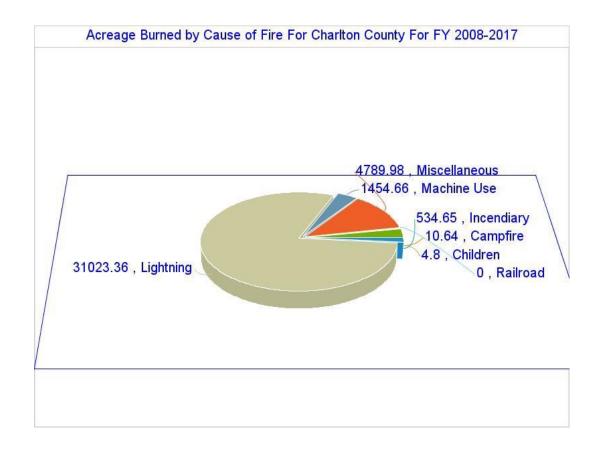
| Miscellaneous: Power lines/Electric fences | Miscellaneous: Power lines/Electric fences | 6 | 5.20 | 3.80 | 23.79 |
|--|--|----|-------|-------|----------|
| Miscellaneous: Structure/Vehicle Fires | Miscellaneous: Structure/Vehicle Fires | 0 | 0.00 | 0.20 | 0.04 |
| Miscellaneous: Woodstove Ashes | Miscellaneous: Woodstove Ashes | 0 | 0.00 | 0.40 | 1.46 |
| Railroad | Railroad | 7 | 6.10 | 2.60 | 2.18 |
| Undetermined | Undetermined | 3 | 0.12 | 6.40 | 20.60 |
| Totals for County: Charlton Year: 2018 | | 35 | 58.77 | 44.20 | 6,049.26 |

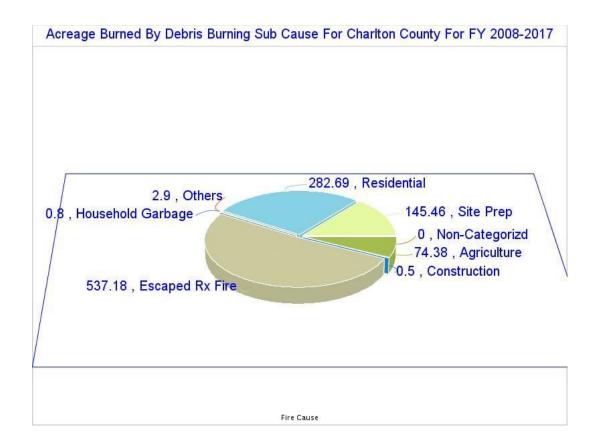
| Acreage Burned /Number of Fires for Charlton County For FY 2008-2017 | | | | | | | | |
|---|----------------|-----------------|-----------------|---------------------------|--|--|--|--|
| Year | Acreage Burned | Number of Fires | Average Size | Statewide Average Size | | | | |
| 2008 | 519.91 | 51 | 10.19 | 4.56 | | | | |
| 2009 | 281.36 | 29 | 9.70 | 3.90 | | | | |

| 2010 | 202.00 | 30 | 6.73 | 3.93 |
|---------|-----------|-----|--------|-------|
| 2011 | 7,366.94 | 101 | 72.94 | 17.56 |
| 2012 | 228.00 | 49 | 4.65 | 5.08 |
| 2013 | 196.74 | 19 | 10.35 | 4.53 |
| 2014 | 155.93 | 36 | 4.33 | 5.02 |
| 2015 | 380.64 | 50 | 7.61 | 4.42 |
| 2016 | 470.91 | 45 | 10.46 | 6.29 |
| 2017 | 29,180.07 | 55 | 530.55 | 11.60 |
| Average | 3,898.25 | 46 | 84.74 | 6.69 |

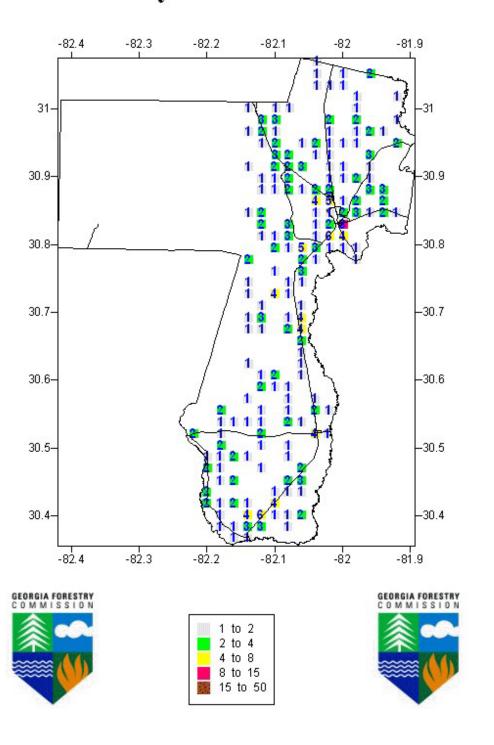
| Acreage Burned /Number of Fires by Fire Cause for Charlton County for FY 2008-2017 | | | | | |
|---|----------------|-----------------|--|--|--|
| Fire Cause | Acreage Burned | Number of Fires | | | |
| Campfire | 10.64 | 6 | | | |
| Children | 4.80 | 3 | | | |
| Debris Burning | 1,043.91 | 84 | | | |
| Incendiary | 534.65 | 57 | | | |
| Lightning | 31,023.36 | 173 | | | |
| Machine Use | 1,454.66 | 56 | | | |

| Miscellaneous | 4,789.98 | 43 |
|---------------|-----------|-----|
| Railroad | 0.00 | 0 |
| Smoking | 2.61 | 4 |
| Undetermined | 112.09 | 32 |
| Total | 38,976.70 | 458 |

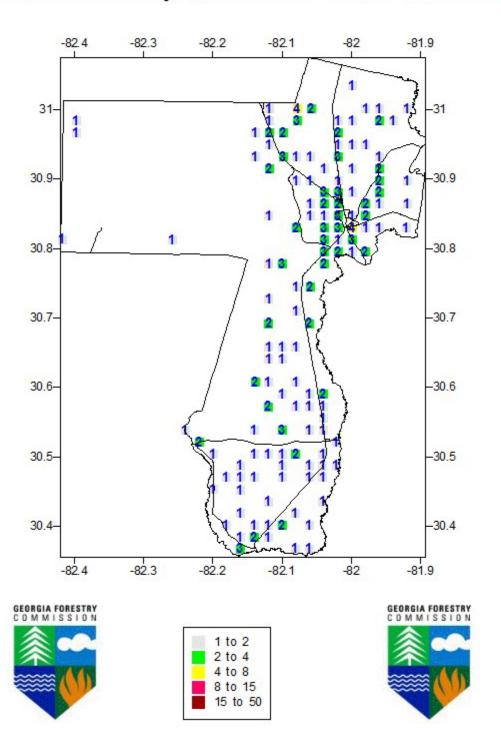


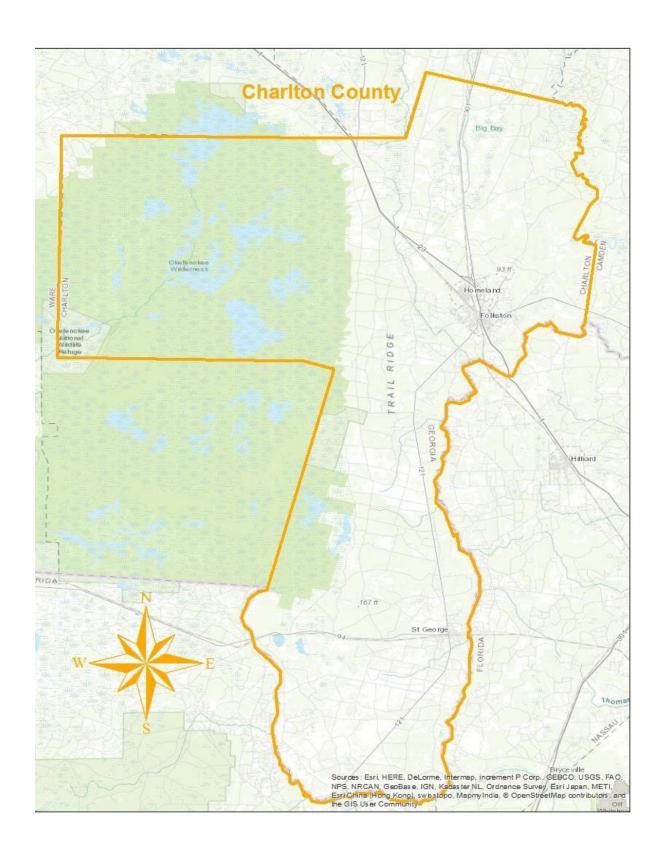


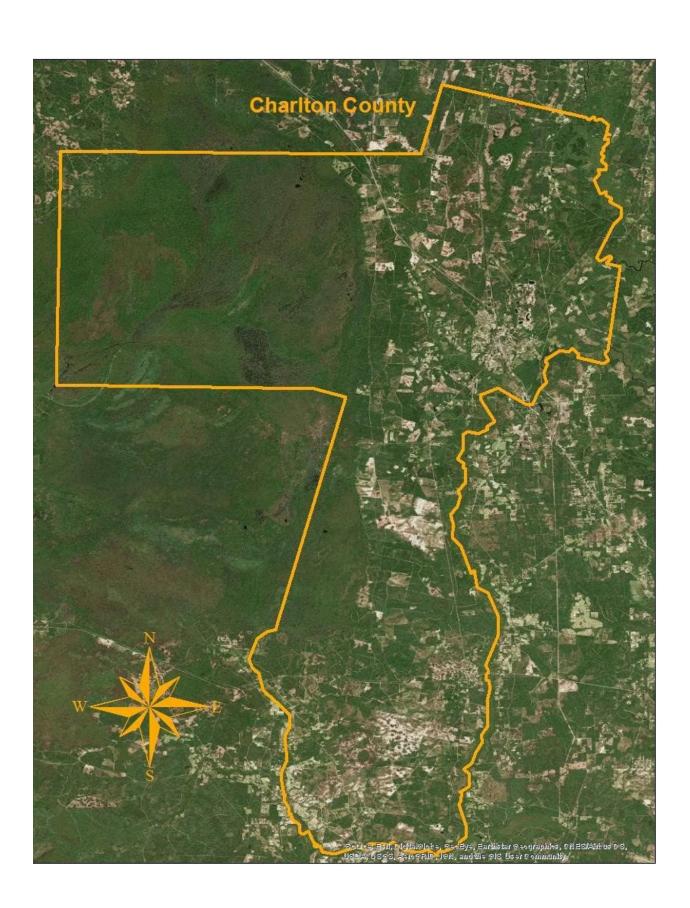
Fire Occurrence Map for Charlton County for Fiscal Year 2007-2011

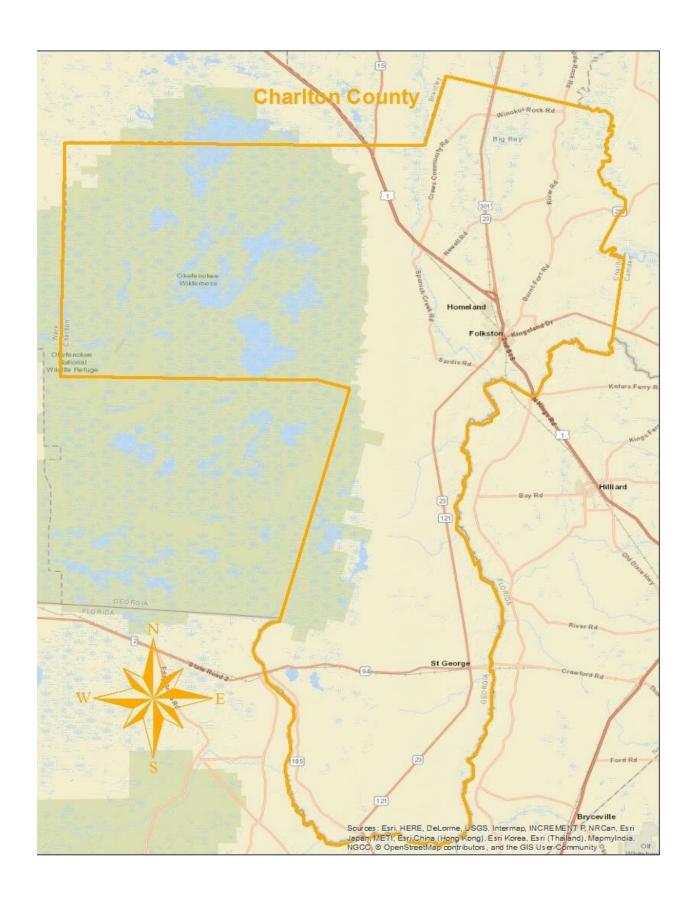


Fire Occurrence Map for Charlton County for Fiscal Year 2012-2016









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.



wetlands.

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

The wildland fire risk assessments conducted in 2015 by the Georgia Forestry Commission returned an average score of 109, placing Charlton County in the "very high" hazard range. A new Community Risk Assessment is presently being conducted by a team of Wildfire Mitigation Specialist and should be completed by 2019. The risk assessment instrument used to evaluate wildfire hazards to Charlton County's WUI was the Hazard and Wildfire Risk Assessment Checklist. The instrument takes into consideration accessibility, vegetation (based on fuel models), roofing assembly, building construction, and availability of fire protection resources, placement of gas and electric utilities, and additional rating factors. The following factors contributed to the wildfire hazard score for Charlton County:

- Dead end roads with inadequate turn arounds
- Narrow roads without drivable shoulders
- Long, narrow, and poorly labeled driveways
- · Limited street signs and homes not clearly addressed
- Thick, highly flammable vegetation surrounding many homes

- Minimal defensible space around structures
- Homes with wooden siding and roofs with heavy accumulations of vegetative debris
- No pressurized or non-pressurized water systems available
- Above ground utilities
- Large, adjacent areas of forest or wildlands
- Heavy fuel buildups in adjacent wildlands
- Undeveloped lots comprising half the total lots in many rural communities.
- High occurrence of wildfires in several locations

 Distance from fire stations
- Lack of homeowner or community organizations
- Train Crossings many of which have inadequate slope for heavy equipment access, such as lowboy trailers hauling dozers or tractor plow units



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

| | Fire Dept | Access | Surrounding Vegetation | Building Construction | Fire Protection | Utilities | Additional Factors | Score | Hazard Rating |
|------------------------------------|----------------------|----------|---------------------------|--------------------------|--------------------|-----------|--------------------|------------|----------------------|
| Community | | | | | | | | | |
| | - | 40 | 00 | 45 | 4.4 | • | 00 | 407 | Very High |
| Homeland | Folkston | 10 | 20 | 15 | 14 | 9 | 39 | 107 | Very |
| Dixie Lake Traders Hill Camp | Folkston Folkston | 10 15 | 20 20 | 10 25 | 14 25 | 9 9 | 45 43 | 108 137 | High Extreme |
| Pinckney | Folkston | 12 | 20 | 5 | 17 | 9 | 30 | 93 | High |
| Live Oak Estates | | | 20 | | | | - | | Very High |
| Yankee | Folkston | 16 | | 0 | 20 | 9 | 35 | 100 | |
| | | | | | | _ | | | |
| Forest | Folkston | 10 | 20 | 10 | 17 | 9 | 31 | 97 | High - |
| Colrain | Folkston | 20 | 20 | 20 | 25 | 9 | 38 | 132 | Extreme |
| May Bluff | Folkston | 13 | 20 | 20 | 27 | 9 | 39 | 128 | Extreme |
| Spring Lake | Folkston | 11 | 20 | 10 | 15 | 9 | 21 | 86 | High |
| Forest Lake | Folkston | 23 | 20 | 10 | 15 | 9 | 37 | 114 | Very High |
| Black River | Folkston | 9 | 10 | 5 | 18 | 9 | 43 | 94 | High |
| Stokes Lake | Folkston | 13 | 20 | 5 | 18 | 9 | 31 | 96 | High |
| Folkston District Sam Howard | Folkston | 18 | 35 | 15 | 29 | 4 | 17 | 118 | Very High Very |
| Rd | Racepond | 20 | 20 | 25 | 16 | 3 | 23 | 107 | High |
| Uptonville Racepond | Racepond | 5 | 30 | 20 | 18 | 6 | 23 | 102 | Very High Very |
| District | Racepond | 5 | 30 | 20 | 18 | 7 | 23 | 103 | High |
| St. Marys Bluff Ga Bend | Ga Bend | 18 | 45 | 15 | 29 | 4 | 17 | 128 | Extreme |
| Dist | Ga Bend | 11 | 30 | 10 | 25 | 4 | 16 | 96 | High |
| Winokur Dist | Winokur | 20 | 30 | 10 | 22 | 7 | 28 | 117 | Very High |
| Average | | 14 | 24 | 13 | 20 | 8 | 30 | 109 | Very High |

Summary of Charlton County Assessment Ratings



Prescribed burning of woodlands is the best management practice to reduce hazardous fuel accumulation. The Georgia Forestry

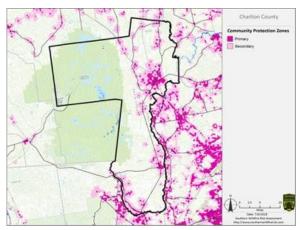
Commission can provide a prescribed burning plan, establish fire breaks, and can also provide equipment standby and assist with burning when personnel are available. Forestry contractors can also provide this service.

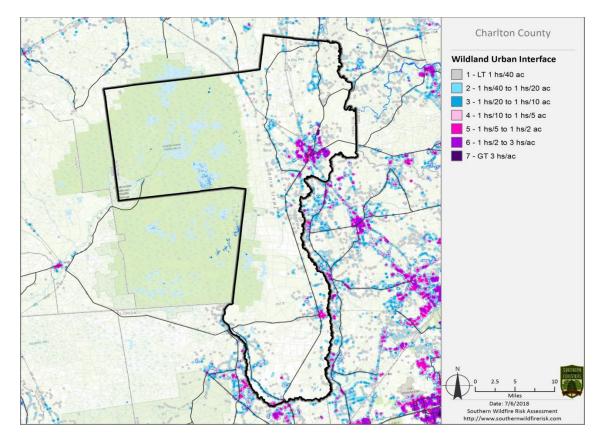
VI. SOUTHERN WILDFIRE RISK ASSESSMENT & RISK HAZARD MAPS

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 Charlton 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.

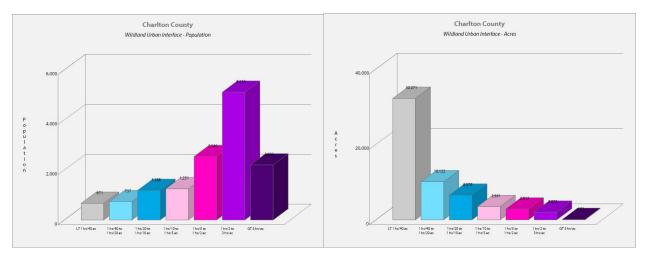
- Allow agencies to work together to better define priorities and improve emergency response, particularly across jurisdictional boundaries.
- Define wildland communities and identify the risk to those communities.
- Increase communication and outreach with local residents and the public to create awareness and address community priorities and needs.
- Plan for response and suppression resource needs.
- Plan and prioritize hazardous fuel treatment.
- Assessment and Hazard Maps do not accurately reflect the risk threat of the Okefenokee swamp/refuge lands, the fire intensity, burn probability, and rate of spread. Models specific to the refuge more accurately reflect the wildfire potential and risk associated with those lands.

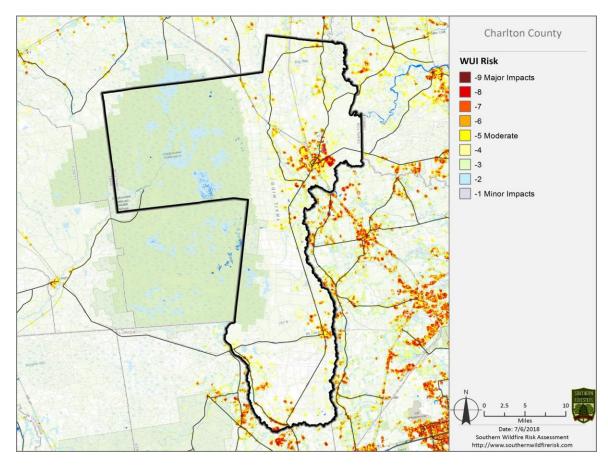




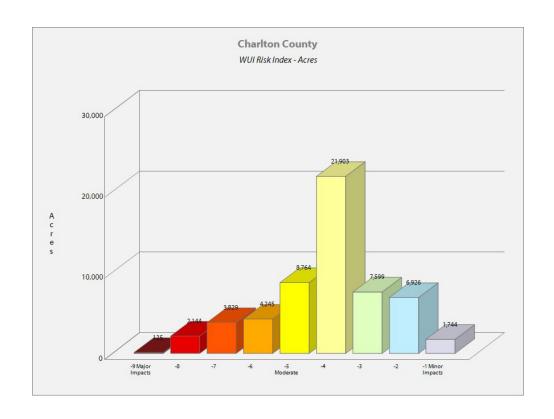
Above: Wildland Urban Interface (WUI) m

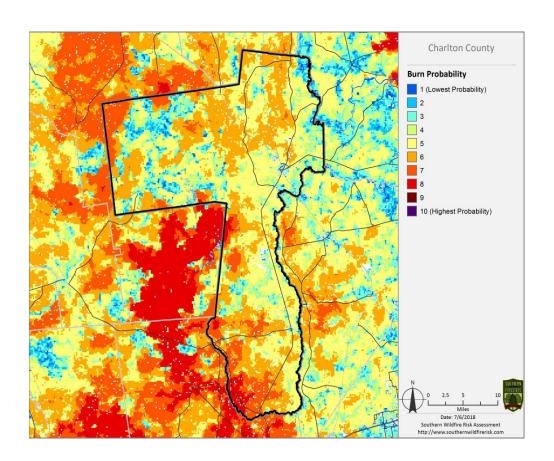
Below: WUI Population (left) WUI Acres (right)





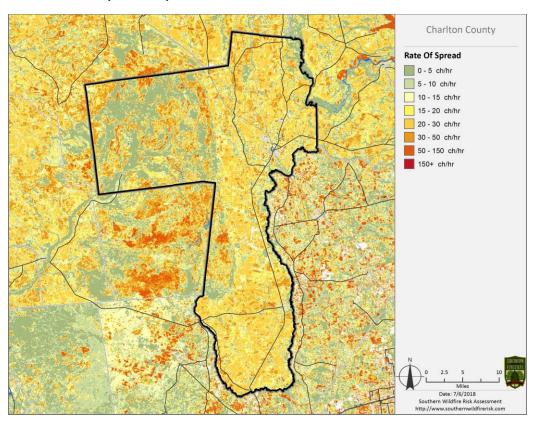
Above: Wildland Urban Interface (WUI) Risk map Below: WUI Risk Index Acres

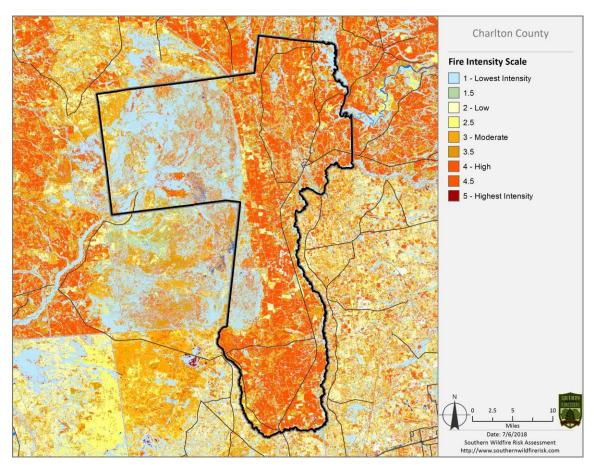




Above: Burn Probability map

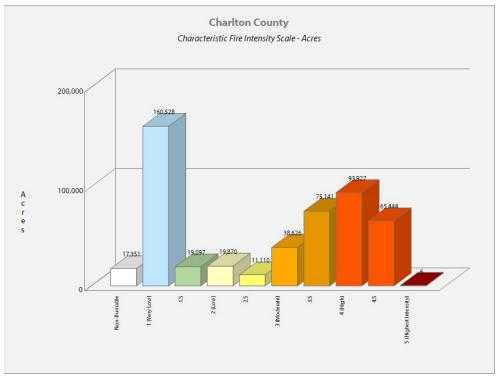
Below: Rate of Spread map

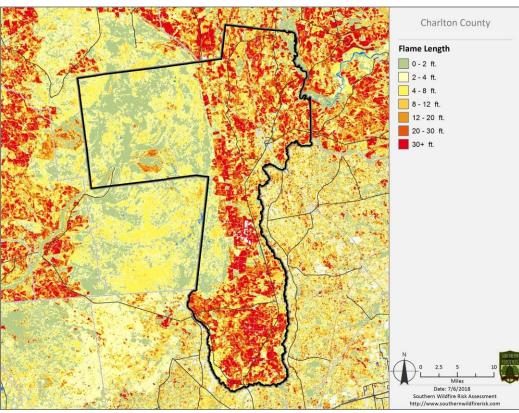




Above: Fire Intensity Scale map

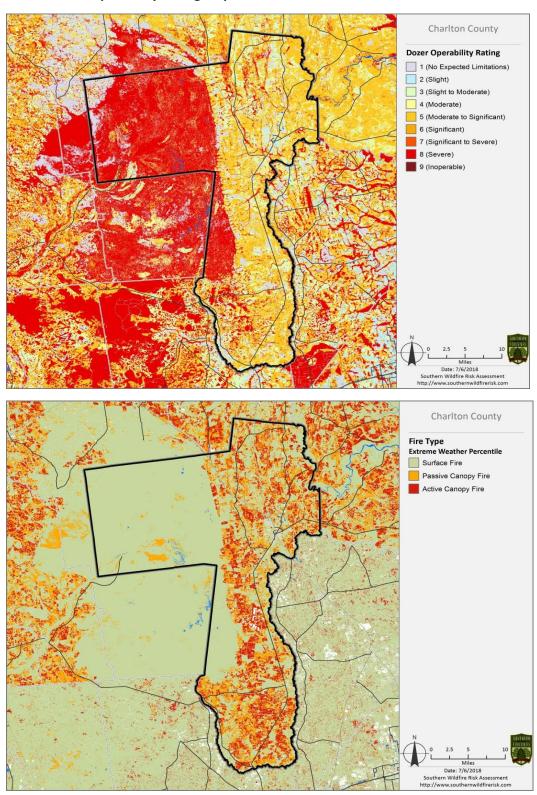
Below: Fire intensity Scale Acres





Above: Flame Length map

Below: Dozer Operability Rating map



Above: Fire Type map

VII. PRIORITIZED MITIGATION RECOMMENDATIONS

Executive Summary

As Southeast Georgia continues to see increased growth from other areas seeking less crowded and warmer climes, 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 30 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. 2010 Edition and NFPA 1141 Standard for Fire Protection Infrastructure for Land Development in Suburban and Rural Areas.

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 Counties to use when developing building and zoning codes in the Wildland Urban Interface (WUI) to help reduce risk and minimize structure loss. 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.

The following recommendations were developed by the Charlton 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 50feet of defensible space** | Trim shrubs and vines to 50-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, and replace pine straw and mulch around plantings with less flammable landscaping materials. | | | |

| 3. Community Clean-up Day National Wildfire Preparedness Day 1st Saturday in May | Cutting, mowing, pruning** | Cut, prune, and mow vegetation in shared community spaces. |
|---|-----------------------------------|---|
| 4. Driveway Access | Culvert installation | See that adequate lengths of culverts are installed to allow emergency vehicle access. |
| 5. Road Access | Identify needed road improvements | As roads are upgraded, widen to minimum standards with at least 50-foot diameter cul-de sacs or turn arounds. |

| 6. 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 Review the need for subdivision and development ordinances for public safety concerns. Adopt and enforce uniform addressing ordinance. |
|-------------------------|---|---|
|-------------------------|---|---|

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. County resolution to state recommending that the Ga Forestry Commission not charge for prescribed burning in WUI areas. Seek grant for WUI mitigation team. |
| 2. 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. |
| 3. Existing Fire Lines | Reduce hazardous fuels | Clean and re-harrow existing lines. Utilize equipment for mastication of understory fuels near housing development and other improvements. |

| Proposed Improved Commu | ınity Wildland Fire Resj | ponse Priorities |
|--------------------------|--------------------------|--|
| 1. Water Sources | Dry Hydrants | Inspect, maintain and improve access to existing dry hydrants. Add signage along road to mark the hydrants. Locate additional dry hydrants as needed. |
| 2. Fire Stations | Equipment | Wildland hand tools. Lightweight Wildland PPE Gear. Investigate need for "brush" trucks. |
| 3. Water Sources | Drafting equipment | Investigate need for additional drafting pumps. |
| 4. Personnel | Training | Obtain Wildland Fire Suppression training for Fire Personnel. Ready Set Go training. |
| **Actions to be taken by | y homeowners and communi | ity stakeholders |

Proposed Education and Outreach Priorities

1. Conduct "How to Have a Firewise Home" Workshop for Charlton County Residents

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.

Distribute materials promoting firewise practices and planning through local community and governmental meetings.

2. Conduct "Firewise" Workshop for Community Leaders

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.

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

Conduct clean-up event every spring involving the Georgia Forestry Commission, Charlton County Fire Departments 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 Charlton Fire Departments discussing and commending the work accomplished.

4. Informational Packets

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

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

5. Wildfire Protection Display

Create and exhibit a display for the general public at the local events. The display can be independent or combined with the Georgia Forestry Commission display.

6. Media

Invite the Folkston and Waycross news media to community "Firewise" functions for news coverage and regularly submit press releases documenting wildfire risk improvements in Charlton County. Utilize radio and social media to reach new audiences.

Add READY – SET – GO to the ongoing FIREWISE Programs:

The Ready, Set, Go! Program seeks to develop and improve the dialogue between fire departments and the residents they serve. Engaging in this dialogue is particularly important for the fire service, because national studies have shown that firefighters are uniquely respected in their communities and can project a trusted voice to the public preparedness appeal. They can also explain what fire resources are available during an event and the role that individuals can play in preparedness and early evacuation – if called for by their local officials – to increase the safety of residents and responding firefighters to a wildland fire.

The RSG! Program works in complimentary and collaborative fashion with Firewise and other existing wildland fire public education efforts. It amplifies their preparedness messages to individuals to better achieve the common goal we all share of fire-adapted communities. When firefighters encourage residents to take personal responsibility for preparing their property and family for WUI/wildland fire, residents become an active part of the solution to the problem of increasing fire losses.

The Ready, Set, Go! (RSG) Program is managed by the International Association of Fire Chiefs (IAFC). Launched nationally in March 2011 at the Wildland-Urban Interface (WUI 2011) Conference, the program helps fire departments to teach individuals who live in high risk wildfire areas – and the

wildland-urban interface – how to best prepare themselves and their properties against fire threats.



Mastication equipment, such as pictured on left, can be very effective in mowing or mulching understory fuels to reduce wildfire hazard. This management practice is practical for areas near homes where prescribed burning may not be possible. This type of service is available from private contractors.

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 | | | | | |
| Charlton County WUI Fire Council | Create this informal team or council comprised of residents, GFC officials, Charlton County Fire Rescue, a representative from the city and county government and the EMA Director for Charlton 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 | Defensible Space and Firewise Landscaping Debris Burning Safety Firewise information for homeowners Prescribed burning benefits Ready Set Go! Information for homeowners | | | | |
| Communications objectives | 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 | 1 Homeowners/Homeowner Associations 2 Forest Landowners and users 3 Civic Groups 4 School Groups 5 General Public | | | | |

| Methods | News Releases Personal Contacts Key messages and prevention tips Visuals such as signs, brochures and posters Radio and TV |
|--------------------------------|---|
| | 6 Social Media |
| Spring Clean-up Day – National | Wildfire Preparedness Day (1st 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, Charlton County Fire Departments, and Emergency Management Agency. 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) |
|--|----------------|---|
| Create a minimum of 50 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. International Wildland Urban Interface Code IWUIC |
|--|-------------|---|
| 4. Spring Cleanup Day National Wildfire Preparedness Day | Varies | Community Business Donations. |
| 5. Fuel Reduction Activities | \$15 / acre | FEMA & USFS Grants |

Assessment Strategy

To accurately assess progress and effectiveness for the action plan, the Charlton 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, and 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 1month and 6 months following workshop date.
- The Charlton County WUI Council 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 Charlton County WUI Council 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.

| 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. International Wildland Urban Interface Code IWUIC |
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<u>The International Association of Fire Chiefs (IAFC)</u> and <u>American International Group, Inc. (AIG)</u> 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.

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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
- Okefenokee Refuge <u>www.fws.gov/refuge/okefenokee/</u>
- 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 <u>www.wildlandfirersg.org</u>
- National Wildfire Preparedness Day <u>www.wildfireprepday.org</u>

Appended Documents:

Charlton County Southern Wildfire Risk Assessment Summary Report (SWRA)

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



Georgia Forestry Commission 5645 Riggins Mill Rd. 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. OTHER PLANNING DOCUMENTS

Appendix D.I – Hazard Frequency Table

CHARLTON COUNTY
HAZARD FREQUENCY TABLE

| | 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 | | Recurrence | 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 |
|--------------------------|--|---|--|--|--------|------------|--|---|---|---|
| Hazard | 1100010 | 1100014 | 10010 | 10013 | , cars | (yours) | chance year | 1 Ci Teal | 1 Ci Teal | , or real |
| Hurricane/Tropical Storn | 11 | 71 | 6 | 6 | 6 | 6.45 | 15.49% | 0.6 | 0.3 | 0.12 |
| Floods/SLOSH | 10 | 23 | 1 | 10 | 10 | 2.30 | 43.48% | 0.1 | 0.5 | 0.2 |
| Wildfire | 3828 | 71 | 465 | 1106 | 3623 | 0.02 | 5391.55% | 46.5 | 55.3 | 72.46 |
| Tornado | 9 | 71 | 0 | 4 | 8 | 7.89 | 12.68% | 0 | 0.2 | 0.16 |
| Thunderstorm Wind | 111 | 71 | 27 | 49 | | 0.64 | 156.34% | 2.7 | 2.45 | 0 |
| Severe Winter Storm | 2 | 71 | 2 | 2 | 2 | 35.50 | 2.82% | 0.2 | 0.1 | |
| Hail | 49 | 71 | 6 | 29 | 49 | 1.45 | 69.01% | 0.6 | 1.45 | 0.98 |
| Drought | 327 | 23 | 172 | 327 | 327 | 0.07 | 1421.74% | 17.2 | 16.35 | 6.54 |
| Lightning | 2 | 71 | 2 | 2 | 2 | 35.50 | 2.82% | 0.2 | 0.1 | 0.04 |
| Extreme Heat | 67 | 71 | 28 | 36 | 67 | 0.31 | 325.00% | 3.2 | 1.95 | 0.78 |

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

GEMA Worksheet #1

Identify the Hazard

Step 1

Date: 8/16/2022 What kinds of natural hazards can affect you?

Task A. List the hazards that may occur.

- 1. Research newspapers and other historical records
- 2. Review existing plans and reports.
- 3. Talk to the experts in your community, state, or region.
- 4. Gather information on Internet Websites.
- Next to the hazard list below, put a check mark in the Task A boxes beside all hazards that may occur in your community or state.

Task B. Focus on the most prevalent hazard in your community or state.

- 1. Go to hazard Websites.
- 2. Locate your community or state on the Wesbite map.
- Determine whether you are in a high-risk area. Get more localised information if necessary.
- Next to the hazard list below, put a check mark in the Task B boxes beside all hazards that post a significant threat.

| Task | Task | Use this space to record information you find for each of the hazards you |
|------|------|---|
| A | | will be researching. Attach additional pages as necessary. |

| Avalanche | | | | |
|--------------------------------|---------------------------------|-------------|-----------|----------|
| Costal Erosion | Hazard or Event Description | Source of | Map | Scale of |
| Costal Storm | (Type of hazard, date of event, | Information | Available | Map |
| Dam Failure | number of injuries, cost and | | for this | |
| Drought X X | types of damage, etc.) | | Hazard? | |
| Earthquake | gper or manage, our, | | | |
| Expansive Soils | | | | |
| Extreme Heat | | | | |
| Flood X X | - | | | |
| Hailstorm X X | | | | |
| Hurricane X X | - | | | |
| Land Slide | - | | | |
| Severe Winter Storm X X | | | | |
| Severe winter Storin _A_ A | | | | |
| Tornado X X | | | | |
| Tornado A_ A | | | | |
| Tsunami | | | | |
| Volcano | | | | |
| Wildfire X X | • | | | |
| Wildlife A A | | | | |
| Windstorm | | | | |
| | . | | | |
| Hazard Material | . | | | |
| Radiological | | | | |
| Other: Thunderstorm/Wind | | | | |
| Other :Lightning X X | | | | |
| | | | | |
| Other: Public Health Emergency | | | | |
| X X | | | | |

Appendix D.III - GEMA Worksheet #2

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:

- 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 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. | Transfer the boundaries of your coastal storm hazard areas onto your base map. Transfer the BFEs onto your base map. Record the erosion rates on your base map: Record the design wind speed here and on your base map: |
| Dam Failure | |
| Drought | |
| Earthquake 1. Go to the http://geohazards.cr.usgs.gov Website. 2. Locate your planning area on the map. 3. Determine your PGA. | Record your PGA: If you have more than one PGA print, download or order your PGA map. |
| Expansive Soils | |
| Extreme Heat | |
| Flood 1. Get a copy of your FIRM. 2. Verify the FIRM is up-to-date and complete. | Transfer the boundaries from your firm onto your base map (floodway, 100-yr flood, 500-yr flood). Transfer the BFEs onto your base map. |
| Hailstorm | |
| Hurricane | |
| Land Subsidence | |
| Landslide 1. Map location of previous landslides. 2. Map the topography 3. Map the geology 4. Identify thee high-hazard areas on your map. | Mark the areas susceptible to landslides onto your base map. |
| Severe Winter Storm | |
| Tornado 1. Find your design wind speed. | Record your design wind speed: |
| Tsunami | |
| Wildfire 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. | Draw the boundaries of your wildfire hazard areas onto your base map. |
| Other 1. Map the hazard. | Record hazard event info on your base map. |

Appendix D.IV – GEMA Worksheet #4

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.

HURRICANE/TROPICAL STORMS

| STAPLEE Criteria | (So) | | (Te | T chn | ica | dmi | A nist | rativ | (P | P | ical | (L | L ega | ıl) | (E | con | omi | c) | (I | Envi | ronn | nental |) |
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| Considerations → for Alternative Actions ↓ | Community Acceptance | Effect on Segment of Population | Technical Feasibilit | Long-term Solution | Secondary Impact | Staffing | Funding Allocated | Maintenance / Operations | Political Support | Local Champior | Public Suppor | State Authorit | Existing Local Authority | Potential Legal Challenge | Benefit of Action | CostofAction | Contributes to Economic Goals | Outside Funding Require | Effect on Land / Wate | Effect on Endangered Specie | Effect on HAZMAT / Waste Sites | Consistent with Community Environmental Goals | Consistent With Federal Laws |

Mitigation Goal #1 – Prevent or reduce damage caused by Hurricanes/Tropical Storms in Charlton County, Folkston, and the City of Homeland.

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

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| Work with GDOT to improve unsafe roads in Charlton County and the Cities of Folkston and Homeland that are or could be evacuation routes. | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Construct a storage building to store emergency materials needed for shelters, relocate materials from other areas, and secure additional cots and materials, medications, and dehydrated foods for shelters. | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cut made to fit plywood window covers and install construction materials necessary for use during Hurricanes/Tropi cal Storms at Critical Facilities in Charlton County and the Cities of Folkston and Homeland. | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

| Work with GDOT to improve highways in Charlton County and in the Cities of Folkston and Homeland that already are, or could be, evacuation routes. | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
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| Order 2 new ambulances, an assisted lift mechanism, cardiac monitors, additional Supplies, and Equipment for Charlton County EMS. Objective #2 - A Hurricanes/Tropic | | | | | | | | | | | | ecau | ıtio | ons a | | l pr | | | | nec | | | |
| of Folkston, and the | | | | | | | | กเร | anu | on | naz | aru | ımı | luga | auc | n II | ı Cr | ıarı | ton | CO | unty | , the | City |
| Acquire and distribute literature from state agencies regarding disaster health & safety issues in Charlton County and the Cities of Folkston and Homeland. | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Order additional road signage for | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

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| the county) and | | | | | | | | | | | | | | | | | | | | | | | |
| the Cities of | | | | | | | | | | | | | | | | | | | | | | | |
| Folkston and | | | | | | | | | | | | | | | | | | | | | | | |
| Homeland. Also, | | | | | | | | | | | | | | | | | | | | | | | |
| install towers. | | | | | | | | | | | | | | | | | | | | | | | |
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| Vehicles. | | | | | | | | | | | | | | | | | | | | | | | |
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| In Charlton | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| County, purchase | | | | | | | | | | | | | | | | | | | | | | | |
| 15 Sheriff Vehicles | | | | | | | | | | | | | | | | | | | | | | | |
| for emergency | | | | | | | | | | | | | | | | | | | | | | | |
| use. | | | | | | | | | | | | | | | | | | | | | | | |
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| Homeland, | | | | | | | | | | | | | | | | | | | | | | | |
| purchase 1 Police | | | | | | | | | | | | | | | | | | | | | | | |
| Vehicle for | | | | | | | | | | | | | | | | | | | | | | | |
| emergency use. | | | | | | | | | | | | | | | | | | | | | | | |
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| Folkston, | | | | | | | | | | | | | | | | | | | | | | | |
| purchase 5 Police | | | | | | | | | | | | | | | | | | | | | | | |
| vehicles for | | | | | | | | | | | | | | | | | | | | | | | |
| emergency use. | | | | | | | | | | | | | | | | | | | | | | | |
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| purchase one | | | | | | | | | | | | | | | | | | | | | | | |
| generator for | | | | | | | | | | | | | | | | | | | | | | | |
| water facilities to | | | | | | | | | | | | | | | | | | | | | | | |
| use during | | | | | | | | | | | | | | | | | | | | | | | |
| emergencies and | | | | | | | | | | | | | | | | | | | | | | | |
| pre-wire for | | | | | | | | | | | | | | | | | | | | | | | |
| generators to | | | | | | | | | | | | | | | | | | | | | | | |
| serve the entire | | | | | | | | | | | | | | | | | | | | | | | |
| population of | | | | | | | | | | | | | | | | | | | | | | | |
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| 1,025 persons. | | | | | | | | | | | | | | | | | | | | | | | |
| Identify kitchens, | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| restaurants, and | | | | | | | | | | | | | | | | | | | | | | | |
| fast-food | | | | | | | | | | | | | | | | | | | | | | | |
| establishments | | | | | | | | | | | | | | | | | | | | | | | |
| that use natural | | | | | | | | | | | | | | | | | | | | | | | |
| gas or propane if | | | | | | | | | | | | | | | | | | | | | | | |
| electricity is out | | | | | | | | | | | | | | | | | | | | | | | |
| for long periods | | | | | | | | | | | | | | | | | | | | | | | |
| during | | | | | | | | | | | | | | | | | | | | | | | |
| emergencies. | | | | | | | | | | | | | | | | | | | | | | | |
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| Objective #4: To | р | rep | are | all | l ke | ey p | oers | onr | iel | to | he | lp i | bui | ld | pre | ра | red | nes | ss f | or | thre | eats | and |
| hazards during l | Hur | rica | ine, | /Tr | opi | cal | Sto | rms | ar | nd (| oth | er | eve | nts | s a | nd | on | ha | zar | d r | nitig | gatio | n in |
| general within C | har | ltor | n Co | oun | ty, | the | Cit | y oj | ^F Fo | lks | ton | , a | nd t | the | Cit | ty c | f H | on | rela | ınd | • | | |
| Conduct | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| "tabletop" | | | | | | | | | | | | | | | | | | | | | | | |
| exercises to help | | | | | | | | | | | | | | | | | | | | | | | |
| build | | | | | | | | | | | | | | | | | | | | | | | |
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| preparedness for | | | | | | | | | | | | | | | | | | | | | | | |
| preparedness for threats and | | | | | | | | | | | | | | | | | | | | | | | |
| preparedness for threats and hazards by | | | | | | | | | | | | | | | | | | | | | | | |
| preparedness for threats and hazards by providing a low- | | | | | | | | | | | | | | | | | | | | | | | |
| preparedness for threats and hazards by providing a low- risk, cost-effective | | | | | | | | | | | | | | | | | | | | | | | |
| preparedness for threats and hazards by providing a low- risk, cost-effective environment to | | | | | | | | | | | | | | | | | | | | | | | |
| preparedness for threats and hazards by providing a low- risk, cost-effective environment to test and validate | | | | | | | | | | | | | | | | | | | | | | | |
| preparedness for threats and hazards by providing a low- risk, cost-effective environment to test and validate plans, policies, | | | | | | | | | | | | | | | | | | | | | | | |
| preparedness for threats and hazards by providing a low- risk, cost-effective environment to test and validate plans, policies, and capabilities | | | | | | | | | | | | | | | | | | | | | | | |
| preparedness for threats and hazards by providing a low- risk, cost-effective environment to test and validate plans, policies, and capabilities and to identify | | | | | | | | | | | | | | | | | | | | | | | |
| preparedness for threats and hazards by providing a low- risk, cost-effective environment to test and validate plans, policies, and capabilities and to identify resource | | | | | | | | | | | | | | | | | | | | | | | |
| preparedness for threats and hazards by providing a low- risk, cost-effective environment to test and validate plans, policies, and capabilities and to identify | | | | | | | | | | | | | | | | | | | | | | | |

| strengths, areas | | | | | | | | | | | |
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| for improvement, | | | | | | | | | | | |
| and potential best | | | | | | | | | | | |
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Flood/SLOSH

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| Consideration s → for Alternative Actions ↓ | Community Acceptance | Effect on Segment of Population | Technical Feasibilit | Long-term Solution | SecondaryImpact | Staffing | Funding Allocated | Maintenance / Operation | Political Support | Local Champior | Public Suppor | State Authorit | Existing Local Authorit | Potential Legal Challenge | Benefit of Action | CostofAction | Contributes to Economic Goals | Outside Funding Require | Effect on Land / Wate | Effecton Endangered Specie | Effect on HAZMAT / Waste Sites | Consistent with Community Environmental Goals | Consistent With Federal Laws |

Goal#1: Prevent or reduce damage caused by Floods/SLOSH in Charlton County, Folkston, and the City of Homeland.

Objective #1: Minimize losses to existing and future structures, especially Critical

Facilities, and Infrastructure, due to Floods/SLOSH.

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| Flood/SLOSH | | | | | | | | | | | | | | | | | | | | | | | |
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| storm-water | | | | | | | | | | | | | | | | | | | | | | | |
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| replacement, | | | | | | | | | | | | | | | | | | | | | | | |
| repair & | | | | | | | | | | | | | | | | | | | | | | | |
| cleaning, and | | | | | | | | | | | | | | | | | | | | | | | |
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| canals in | | | | | | | | | | | | | | | | | | | | | | | |
| Charlton | | | | | | | | | | | | | | | | | | | | | | | |
| County and | | | | | | | | | | | | | | | | | | | | | | | |
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| Billie Thrift | | | | | | | | | | | | | | | | | | | | | | | |
| Road, Black | | | | | | | | | | | | | | | | | | | | | | | |
| River Area | | | | | | | | | | | | | | | | | | | | | | | |
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| George), | | | | | | | | | | | | | | | | | | | | | | | |
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| Loop, | | | | | | | | | | | | | | | | | | | | | | | |
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| Road Bridge, | | | | | | | | | | | | | | | | | | | | | | | |
| GA Bend | | | | | | | | | | | | | | | | | | | | | | | |
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| Area, | | | | | | | | | | | | | | | | | | | | | | | |

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| Lavender | | | | | | | | | | | | | | | | | | | | | | | | | |
| Road, Lonnie | | | | | | | | | | | | | | | | | | | | | | | | | |
| Todd Road, | | | | | | | | | | | | | | | | | | | | | | | | | |
| Newell | | | | | | | | | | | | | | | | | | | | | | | | | |
| Road, | | | | | | | | | | | | | | | | | | | | | | | | | |
| Paxton Road | | | | | | | | | | | | | | | | | | | | | | | | | |
| (at Spanish | | | | | | | | | | | | | | | | | | | | | | | | | |
| Creek Road), | | | | | | | | | | | | | | | | | | | | | | | | | |
| St Marys | | | | | | | | | | | | | | | | | | | | | | | | | |
| River Bluff | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rd, Willie | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dixon Road, | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Prescott | | | | | | | | | | | | | | | | | | | | | | | | | |
| Road and in | | | | | | | | | | | | | | | | | | | | | | | | | |
| other | | | | | | | | | | | | | | | | | | | | | | | | | |
| Flood/SLOSH | | | | | | | | | | | | | | | | | | | | | | | | | |
| prone areas, | | | | | | | | | | | | | | | | | | | | | | | | | |
| including | | | | | | | | | | | | | | | | | | | | | | | | | |
| installing | | | | | | | | | | | | | | | | | | | | | | | | | |
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| replacing | | | | | | | | | | | | | | | | | | | | | | | | | |
| culverts. | | | | | | | | | | | | | | | | | | | | | | | | | |
| curverts. | | | | | | | | | | | | | | | | | | | | | | | | | |
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| for developers & | Ł | | | | | | | | | | | | | | | | | | | | | | | | |
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| regarding land | | | | | | | | | | | | | | | | | | | | | | | | | |
| clearing, roads, erosion, and | | | | | | | | | | | | | | | | | | | | | | | | | |
| building in | | | | | | | | | | | | | | | | | | | | | | | | | |
| unincorporated | | | | | | | | | | | | | | | | | | | | | | | | | |
| Charlton County | , | | | | | | | | | | | | | | | | | | | | | | | | |
| and in the City o | | | | | | | | | | | | | | | | | | | | | | | | | |
| Folkston and the | | | | | | | | | | | | | | | | | | | | | | | | | |
| City of Homeland | | | | | | | | | | | | | | | | | | | | | | | | | |
| to ensure | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Flood/SLOSH | | | | | | | | | | | | | | | | | | | | | | | |
| protection as funds | | | | | | | | | | | | | | | | | | | | | | | |
| become available | | | | | | | | | | | | | | | | | | | | | | | |
| to do so. | | | | | | | | | | | | | | | | | | | | | | | |
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| Provide funding for | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| the support of the | | | ľ | ľ | ľ | ľ | | ľ | ľ | ľ | ľ | ľ | | ľ | ľ | ľ | | | | ľ | ļ' | ľ | |
| St. Marys River | | | | | | | | | | | | | | | | | | | | | | | |
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| Management Committee and | | | | | | | | | | | | | | | | | | | | | | | |
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| contribute funding | | | | | | | | | | | | | | | | | | | | | | | |
| to support GA DNR | | | | | | | | | | | | | | | | | | | | | | | |
| programs that | | | | | | | | | | | | | | | | | | | | | | | |
| study St. Marys and | | | | | | | | | | | | | | | | | | | | | | | |
| Satilla Rivers. | | | | | | | | | | | | | | | | | | | | | | | |
| Update & enforce | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| laws regarding | | | | | | | | | | | | | | | | | | | | | | | |
| proper drainage | | | | | | | | | | | | | | | | | | | | | | | |
| (2000+ properties | | | | | | | | | | | | | | | | | | | | | | | |
| w/out culvert | | | | | | | | | | | | | | | | | | | | | | | |
| pipes), purchase | | | | | | | | | | | | | | | | | | | | | | | |
| pipes for public | | | | | | | | | | | | | | | | | | | | | | | |
| sale, change | | | | | | | | | | | | | | | | | | | | | | | |
| mailbox locations, | | | | | | | | | | | | | | | | | | | | | | | |
| explore replacing | | | | | | | | | | | | | | | | | | | | | | | |
| undersized pipes | | | | | | | | | | | | | | | | | | | | | | | |
| with at least 18" & | | | | | | | | | | | | | | | | | | | | | | | |
| 24" pipes, construct | | | | | | | | | | | | | | | | | | | | | | | |
| more outfall | | | | | | | | | | | | | | | | | | | | | | | |
| ditches & acquire | | | | | | | | | | | | | | | | | | | | | | | |
| more drainage | | | | | | | | | | | | | | | | | | | | | | | |
| easements, do | | | | | | | | | | | | | | | | | | | | | | | |
| regular | | | | | | | | | | | | | | | | | | | | | | | |
| maintenance on | | | | | | | | | | | | | | | | | | | | | | | |
| drainage/outfall | | | | | | | | | | | | | | | | | | | | | | | |
| ditches in Charlton | | | | | | | | | | | | | | | | | | | | | | | |
| County and the City | | | | | | | | | | | | | | | | | | | | | | | |
| of Folkston and the | | | | | | | | | | | | | | | | | | | | | | | |
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| City of Homeland. | | | | | | | | | | | | | | | | | | | | | | | |
| Work to alleviate present & future evacuation & emergency access problems in subdivisions in Charlton County, Folkston, and the City of Homeland. | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Work to preserve wetland areas in Charlton County, Folkston, and the City of Homeland to ensure that excess water can be captured. | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| After Flood/SLOSH events or other hazard events in Charlton County, the City of Folkston, and the City of Homeland, attempt to analyze properties affected to determine if circumstances have occurred in the past and attempt to mitigate or purchase, if necessary. | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Plan flood and drainage projects in the City of Homeland in the Nature Trail | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

| Estates area and other flood-prone areas, including installing and replacing culverts. Continue | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | + | + |
|--|----------|--------------|-----|----------|----------|---|---|---|---|---|---|---|----------|---|---|---|---|---|---|----------|----------|---|---|----------|
| membership in the NFIP by adopting updated ordinances and FIRM maps as updates are available. | T | + | + | T | T | + | + | + | + | + | T | + | T | + | + | Ť | + | + | + | T | T | - | F | T |
| Objective #2 (New and hazards durin within Charlton Co | ig l | Floo nty, | od/ | - | | | _ | _ | | | | | _ | | | - | - | | | | _ | | | |
| Conduct "tabletop" exercises to help build preparedness for threats and hazards by providing a low-risk, cost-effective environment to test and validate plans, policies, and capabilities and to identify resource requirements, capability gaps, strengths, areas for improvement, and potential best practices. | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | - | + | + | + |

WILDFIRE

| STAPLEE | 5 | } | | Т | | | Α | | | Р | | | L | | | E | | | | | Ε | | |
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| Criteria | (So | cial) | (Te | chni | cal | dmiı | nistr | ativ | (P | oliti | cal) | (L | ega | ıl) | (E | con | omi | ic) | (E | nvi | ronn | nent | al) |
| Considerations → for Alternative Actions ↓ | Community Acceptance | Effecton Segmentof Population | Technical Feasibilit | Long-term Solutio | SecondaryImpact | Staffing | Funding Allocated | Maintenance / Operation | Political Support | Local Champior | Public Suppor | State Authorit | Existing Local Authorit | Potential Legal Challeng | Benefit of Actio | CostofAction | Contributes to Economic Goal | Outside Funding Require | Effect on Land / Wate | | | | |

Mitigation Goal #1: Prevent or reduce damage caused by wildfires in Charlton County, Folkston, and the City of Homeland.

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

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| responder | | | | | | | | | | | | | | | | | | | | | | | |
| training, | | | | | | | | | | | | | | | | | | | | | | | |
| training | | | | | | | | | | | | | | | | | | | | | | | |
| mannequins, | | | | | | | | | | | | | | | | | | | | | | | |
| extrication | | | | | | | | | | | | | | | | | | | | | | | |
| equipment, air | | | | | | | | | | | | | | | | | | | | | | | |
| units, air unit | | | | | | | | | | | | | | | | | | | | | | | |
| chargers, 1 | | | | | | | | | | | | | | | | | | | | | | | |
| Class A | | | | | | | | | | | | | | | | | | | | | | | |
| Pumper | | | | | | | | | | | | | | | | | | | | | | | |
| and/or Fire | | | | | | | | | | | | | | | | | | | | | | | |
| Knocker | | | | | | | | | | | | | | | | | | | | | | | |
| trucks, | | | | | | | | | | | | | | | | | | | | | | | |
| tankers, and | | | | | | | | | | | | | | | | | | | | | | | |
| other | | | | | | | | | | | | | | | | | | | | | | | |
| equipment to | | | | | | | | | | | | | | | | | | | | | | | |
| all Charlton | | | | | | | | | | | | | | | | | | | | | | | |
| County | | | | | | | | | | | | + | + | | | | | | + | + | + | + | + |
| Volunteer Fire | + | + | + | + | + | + | + | + | + | + | + | " | | + | + | + | + | + | | ' | | ſ | ' |
| Stations for | · | | • | | | | | | · | · | | | | • | • | · | | | | | | | |

| Wildfire | | | | | | | | | | | | | | | | | | | | | | | |
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| Plan to acquire | | | | | | | | | | | | | | | | | | | | | | | |
| property for | | | | | | | | | | | | | | | | | | | | | | | |
| new Charlton | | | | | | | | | | | | | | | | | | | | | | | |
| County | | | | | | | | | | | | | | | | | | | | | | | |
| Volunteer Fire | | | | | | | | | | | | | | | | | | | | | | | |
| Stations | | | | | | | | | | | | | | | | | | | | | | | |
| (including | | | | | | | | | | | | | | | | | | | | | | | |
| Georgia Bend | | | | | | | | | | | | | | | | | | | | | | | |
| [New], moving | | | | | | | | | | | | | | | | | | | | | | | |
| Race Pond | | | | | | | | | | | | | | | | | | | | | | | |
| Station, & | | | | | | | | | | | | | | | | | | | | | | | |
| Station, & Station #1), | | | | | | | | | | | | | | | | | | | | | | | |
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| new additions | | | | | | | | | | | | | | | | | | | | | | | |
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| In the City of | | | | | | | | | | | | | | | | | | | | | | | |
| Folkston and | | | | | | | | | | | | | | | | | | | | | | | |
| the City of | | | | | | | | | | | | | | | | | | | | | | | |
| Homeland (on | | | | | | | | | | | | | | | | | | | | | | | |
| Reynolds Road | | | | | | | | | | | | | | | | | | | | | | | |
| [New], Robin | | | | | | | | | | | | | | | | | | | | | | | |
| Lane [New], | | | | | | | | | | | | | | | | | | | | | | | |
| Paxton Road | | | | | | | | | | | | | | | | | | | | | | | |
| area, and | | | | | | | | | | | | | | | | | | | | | | | |
| other areas), | | | | | | | | | | | | | | | | | | | | | | | |
| replace the | | | | | | | | | | | | | | | | | | | | | | | |
| four-inch (4") | | | | | | | | | | | | | | | | | | | | | | | |
| or fewer water | | | | | | | | | | | | | | | | | | | | | | | |
| lines with 6" to | | | | | | | | | | | | | | | | | | | | | | | |
| 8" water lines | | | | | | | | | | | | | | | | | | | | | | | |
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| and hydrants, | | | | | | | | | | | | | | | | | | | | | | | |
| tie in Robin | | | | | | | | | | | | + | + | | | | | | + | + | + | + | + |
| Lane and | + | + | + | + | + | + | + | + | + | + | + | | | + | + | + | + | + | | | | | |
| connect | | | | | | | | | | | | | | | | | | | | | | | |

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| Homeland | | | | | | | | | | | | | | | | | | | | | | | |
| Water | | | | | | | | | | | | | | | | | | | | | | | |
| System. | | | | | | | | | | | | | | | | | | | | | | | |
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| In the City of | | | | | | | | | | | | | | | | | | | | | | | |
| Folkston, | | | | | | | | | | | | | | | | | | | | | | | |
| complete the | | | | | | | | | | | | | | | | | | | | | | | |
| preparation of | | | | | | | | | | | | | | | | | | | | | | | |
| а | | | | | | | | | | | | | | | | | | | | | | | |
| comprehensiv | | | | | | | | | | | | | | | | | | | | | | | |
| e set of water | | | | | | | | | | | | | | | | | | | | | | | |
| system maps | | | | | | | | | | | | | | | | | | | | | | | |
| to identify | | | | | | | | | | | | | | | | | | | | | | | |
| problem | | | | | | | | | | | | + | + | | | | | | + | + | + | + | + |
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| Work with CSX | | | | | | | | | | | | | | | | | | | | | | | |
| and other | | | | | | | | | | | | | | | | | | | | | | | |
| railroads to | | | | | | | | | | | | | | | | | | | | | | | |
| reduce | | | | | | | | | | | | | | | | | | | | | | | |
| inadequate | | | | | | | | | | | | | | | | | | | | | | | |
| slopes that | | | | | | | | | | | | | | | | | | | | | | | |
| impeded | | | | | | | | | | | | | | | | | | | | | | | |
| heavy fire | | | | | | | | | | | | | | | | | | | | | | | |
| equipment | | | | | | | | | | | | | | | | | | | | | | | |
| from crossing | | | | | | | | | | | | | | | | | | | | | | | |
| tracks, | | | | | | | | | | | | | | | | | | | | | | | |
| including | | | | | | | | | | | | | | | | | | | | | | | |
| Maddox Rd. | | | | | | | | | | | | | | | | | | | | | | | |
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| (marginal), | | | | | | | | | | | | | | | | | | | | | | | |
| Martha | | | | | | | | | | | | | | | | | | | | | | | |
| Dowling Rd. | | | | | | | | | | | | | | | | | | | | | | | |
| (poor), Mizell | | | | | | | | | | | | | | | | | | | | | | | |
| Rd. (poor), | | | | | | | | | | | | | | | | | | | | | | | |
| Sawfly Rd. | | | | | | | | | | | | | | | | | | | | | | | |
| (poor), Old | | | | | | | | | | | | | | | | | | | | | | | |
| Racepond Rd. | | | | | | | | | | | | | | | | | | | | | | | |
| (not passable), | | | | | | | | | | | | + | + | | | | | | + | + | + | + | + |
| and others. | + | + | + | + | + | + | + | + | + | + | + | | | + | + | + | + | + | | | | | |
| Complete | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| hydro studies | | | | | |] | | | | | | | | - | - | | | | | | | | |
| on ponds with | | | | | | | | | | | | | | | | | | | | | | | |
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| dry hydrants | | | | | | | | | | | | | | | | | | | | | | | |
| to receive | | | | | | | | | | | | | | | | | | | | | | <u> </u> | |

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| approval for | | | | | | | | | | | | | | | | | | | | | | | |
| ISO. | | | | | | | | | | | | | | | | | | | | | | | |
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| Objective #2: 0 | bt | ain | a Fi | ire\ | Nis | e C | om | mu | nit | v St | atu | s b | v e | du | cati | ing | Cha | arlt | on | Cou | inty | , the | |
| City of Folkston, | | | | | | | | | | - | | | - | | | _ | | | | | _ | | |
| the hazards of W | | | | | | | | | | | | | | | | | | | | | , | | - |
| Maintain good | | | | | | | | | | | | | | | | | | | | | | | |
| public relations | | | | | | | | | | | | | | | | | | | | | | | |
| between the | | | | | | | | | | | | | | | | | | | | | | | |
| citizens of | | | | | | | | | | | | | | | | | | | | | | | |
| Charlton County | | | | | | | | | | | | | | | | | | | | | | | |
| and the City of | | | | | | | | | | | | | | | | | | | | | | | |
| Folkston and the | | | | | | | | | | | | | | | | | | | | | | | |
| City of Homeland, | | | | | | | | | | | | | | | | | | | | | | | |
| and the County | | | | | | | | | | | | | | | | | | | | | | | |
| Fire Departments, | | | | | | | | | | | | | | | | | | | | | | | |
| and plan to | | | | | | | | | | | | | | | | | | | | | | | |
| increase levels of | | | | | | | | | | | | | | | | | | | | | | | |
| awareness and | | | | | | | | | | | | | | | | | | | | | | | |
| resources during | | | | | | | | | | | | | | | | | | | | | | | |
| peak hazard | | | | | | | | | | | | | | | | | | | | | | | |
| conditions | | | | | | | | | | | | | | | | | | | | | | | |
| through the use | | | | | | | | | | | | | | | | | | | | | | | |
| of education | | | | | | | | | | | | | | | | | | | | | | | |
| sessions, | | | | | | | | | | | | | | | | | | | | | | | |
| community | | | | | | | | | | | | | | | | | | | | | | | |
| meetings, citizens | + | | | + | | | + | + | + | + | | + | + | + | | + | + | + | | + | + | + | |
| academy, etc. | - | + | + | - | + | + | _ | - | _ | - | + | _ | 1 | т | + | т | т | т | + | т. | _ | _ | _ |
| dedderny, etc. | | ' | | | | | | | | | • | | | | • | | | | • | | | | |
| Partner with the | | | | | | | | | | | | | | | | | | | | | | | |
| Georgia Forestry | | | | | | | | | | | | | | | | | | | | | | | |
| Commission to | | | | | | | | | | | | | | | | | | | | | | | |
| educate Charlton | | | | | | | | | | | | | | | | | | | | | | | |
| County, the City | | | | | | | | | | | | | | | | | | | | | | | |
| of Folkston, and | | | | | | | | | | | | | | | | | | | | | | | |
| the City of | | | | | | | | | | | | | | | | | | | | | | | |
| Homeland | | | | | | | | | | | | | | | | | | | | | | | |
| communities and | | | | | | | | | | | | | | | | | | | | | | | |
| citizens on the | | | | | | | | | | | | | | | | | | | | | | | |
| pre-disaster | | | | | | | | | | | | | | | | | | | | | | | |
| mitigation of | | | | | | | | | | | | | | | | | | | | | | | |
| Wildfire and use | + | | | + | | | + | + | + | + | | + | + | + | | + | + | + | | + | + | + | |
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| school-based programs to educate children. | | | | | | | | | | | | | | | | | | | | | | | |
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| Plan RFD meetings in Charlton County and the Cities of Folkston and Homeland and hold joint mock fire drills for all fire stations. | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Work to implement the National Cohesive Wildland Fire Management Strategy and educate the public on its merits. | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Work to bring fire and fire prevention training events to the area twice a year, such as wildlands, major and commercial structures, Hazmat, etc. | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Objective #3: Imp Commission's "C | | | | | | | | | | | | | nm | en | dat | ion | s in | G/ | A Fo | ores | stry | | |
| Create a minimum of 50 feet of defensible space around all governmental structures and recommend to | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

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| stakeholders that | | | | | | | | | | | | | | | | | | | | | | | |
| they create the | | | | | | | | | | | | | | | | | | | | | | | |
| same area | | | | | | | | | | | | | | | | | | | | | | | |
| through the | | | | | | | | | | | | | | | | | | | | | | | |
| trimming of | | | | | | | | | | | | | | | | | | | | | | | |
| shrubs and vines, | | | | | | | | | | | | | | | | | | | | | | | |
| overhanging | | | | | | | | | | | | | | | | | | | | | | | |
| limbs, | | | | | | | | | | | | | | | | | | | | | | | |
| replacement of | | | | | | | | | | | | | | | | | | | | | | | |
| flammable plants | | | | | | | | | | | | | | | | | | | | | | | |
| with less | | | | | | | | | | | | | | | | | | | | | | | |
| flammable | | | | | | | | | | | | | | | | | | | | | | | |
| varieties, and | | | | | | | | | | | | | | | | | | | | | | | |
| removing | | | | | | | | | | | | | | | | | | | | | | | |
| vegetation | | | | | | | | | | | | | | | | | | | | | | | |
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| flammable | | | | | | | | | | | | | | | | | | | | | | | |
| vegetative | | | | | | | | | | | | | | | | | | | | | | | |
| materials from | | | | | | | | | | | | | | | | | | | | | | | |
| roofs and gutters, | | | | | | | | | | | | | | | | | | | | | | | |
| storing firewood | | | | | | | | | | | | | | | | | | | | | | | |
| appropriately, | | | | | | | | | | | | | | | | | | | | | | | |
| installing skirting | | | | | | | | | | | | | | | | | | | | | | | |
| around raised | | | | | | | | | | | | | | | | | | | | | | | |
| structures, storing | | | | | | | | | | | | | | | | | | | | | | | |
| water hoses for | | | | | | | | | | | | | | | | | | | | | | | |
| easy access, | | | | | | | | | | | | | | | | | | | | | | | |
| replacing pine | | | | | | | | | | | | | | | | | | | | | | | |
| straw and mulch | | | | | | | | | | | | | | | | | | | | | | | |
| around plantings | | | | | | | | | | | | | | | | | | | | | | | |
| with less | | | | | | | | | | | | | | | | | | | | | | | |
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| all governmental | | | | | | | | | | | | | | | | | | | | | | | |
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| vegetation in | | | | | | | | | | | | | | | | | | | | | | | |
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| clearance for | | | | | | | | | | | | | | | | | | | | | | | |
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| equipment and | | | | | | | | | | | | | | | | | | | | | | | |
| seeing that the | | | | | | | | | | | | | | | | | | | | | | | |
| culvert's adequate | | | | | | | | | | | | | | | | | | | | | | | |
| lengths and | | | | | | | | | | | | | | | | | | | | | | | |
| weight-bearing | | | | | | | | | | | | | | | | | | | | | | | |
| capacity are | | | | | | | | | | | | | | | | | | | | | | | |
| installed to allow | | | | | | | | | | | | | | | | | | | | | | | |
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| amend and | | | | | | | | | | | | | | | | | | | | | | | |
| enforce existing | | | | | | | | | | | | | | | | | | | | | | | |
| building codes | | | | | | | | | | | | | | | | | | | | | | | |
| relating to | | | | | | | | | | | | | | | | | | | | | | | |
| skirting, propane | | | | | | | | | | | | | | | | | | | | | | | |
| tank locations, | | | | | | | | | | | | | | | | | | | | | | | |
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| ordinances for | | | | | | | | | | | | | | | | | | | | | | | |
| public safety | | | | | | | | | | | | | | | | | | | | | | | |
| concerns; Enact | | | | | | | | | | | | | | | | | | | | | | | |
| and enforce | | | | | | | | | | | | | | | | | | | | | | | |
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| prescribed | | | | | | | | | | | | | | | | | | | | | | | |
| burning for | | | | | | | | | | | | | | | | | | | | | | | |
| private | | | | | | | | | | | | | | | | | | | | | | | |
| landowners and | | | | | | | | | | | | | | | | | | | | | | | |
| industrial | | | | | | | | | | | | | | | | | | | | | | | |
| timberlands, | | | | | | | | | | | | | | | | | | | | | | | |
| particularly | | | | | | | | | | | | | | | | | | | | | | | |
| adjacent to | | | | | | | | | | | | | | | | | | | | | | | |
| residential areas; | | | | | | | | | | | | | | | | | | | | | | | |
| Seek a grant for | | | | | | | | | | | | | | | | | | | | | | | |
| WUI Mitigation | | | | | | | | | | | | | | | | | | | | | | | |
| Team. | | | | | | | | | | | | | | | | | | | | | | | |
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| railroads to | | | | | | | | | | | | | | | | | | | | | | | |
| maintain their | | | | | | | | | | | | | | | | | | | | | | | |
| ROW better, | | | | | | | | | | | | | | | | | | | | | | | |
| eliminating brush | | | | | | | | | | | | | | | | | | | | | | | |
| and grass through | | | | | | | | | | | | | | | | | | | | | | | |
| herbicide and | | | | | | | | | | | | | | | | | | | | | | | |
| mowing. Maintai | | | | | | | | | | | | | | | | | | | | | | | |
| n firebreaks along | | | | | | | | | | | | | | | | | | | | | | | |
| ROW adjacent to | | | | | | | | | | | | | | | | | | | | | | | |
| residential | | | | | | | | | | | | | | | | | | | | | | | |
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| residents. | | | | | | | | | | | | | | | | | | | | | | | | |
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| Communities" | | | | | | | | | | | | | | | | | | | | | | | | |
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| Charlton County | | | | | | | | | | | | | | | | | | | | | | | | |
| community | | | | | | | | | | | | | | | | | | | | | | | | |
| leaders. | | | | | | | | | | | | | | | | | | | | | | | | |
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| informational | | | | | | | | | | | | | | | | | | | | | | | | |
| packets to code | | | | | | | | | | | | | | | | | | | | | | | | |
| enforcement, | | | | | | | | | | | | | | | | | | | | | | | | |
| realtors & | | | | | | | | | | | | | | | | | | | | | | | | |
| insurance agents. | | | | | | | | | | | | | | | | | | | | | | | | |
| Continue to work | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| with Georgia | | | | | | | | | | | | | | | | | | | | | | | | |
| Forestry to create | | | | | | | | | | | | | | | | | | | | | | | | |
| and exhibit a | | | | | | | | | | | | | | | | | | | | | | | | |
| Wildfire | | | | | | | | | | | | | | | | | | | | | | | | |
| Protection Display | | | | | | | | | | | | | | | | | | | | | | | | |
| for the general | | | | | | | | | | | | | | | | | | | | | | | | |
| public at local | | | | | | | | | | | | | | | | | | | | | | | | |
| events. The | | | | | | | | | | | | | | | | | | | | | | | | |
| display can be | | | | | | | | | | | | | | | | | | | | | | | | |
| independent or | | | | | | | | | | | | | | | | | | | | | | | | |
| combined with the | | | | | | | | | | | | | | | | | | | | | | | | |
| GA Forestry | | | | | | | | | | | | | | | | | | | | | | | | |
| Commission | | | | | | | | | | | | | | | | | | | | | | | | |
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| Adapted Communities" | | | | | | | | | | | | | | | | | | | | | | | |
| functions for news | | | | | | | | | | | | | | | | | | | | | | | |
| coverage and | | | | | | | | | | | | | | | | | | | | | | | |
| regularly submit | | | | | | | | | | | | | | | | | | | | | | | |
| press releases | | | | | | | | | | | | | | | | | | | | | | | |
| documenting | | | | | | | | | | | | | | | | | | | | | | | |
| wildfire risk | | | | | | | | | | | | | | | | | | | | | | | |
| improvements in | | | | | | | | | | | | | | | | | | | | | | | |
| Charlton County. | | | | | | | | | | | | | | | | | | | | | | | |
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| Charlton County | | | | | | | | | | | | | | | | | | | | | | | |
| WUI Fire Council | | | | | | | | | | | | | | | | | | | | | | | |
| to review | | | | | | | | | | | | | | | | | | | | | | | |
| progress toward | | | | | | | | | | | | | | | | | | | | | | | |
| mitigation goals, | | | | | | | | | | | | | | | | | | | | | | | |
| appoint & | | | | | | | | | | | | | | | | | | | | | | | |
| delegate special | | | | | | | | | | | | | | | | | | | | | | | |
| activities, and | | | | | | | | | | | | | | | | | | | | | | | |
| work with | | | | | | | | | | | | | | | | | | | | | | | |
| Federal, State, | | | | | | | | | | | | | | | | | | | | | | | |
| and Local | | | | | | | | | | | | | | | | | | | | | | | |
| officials to | | | | | | | | | | | | | | | | | | | | | | | |
| assess progress | | | | | | | | | | | | | | | | | | | | | | | |
| and develop | | | | | | | | | | | | | | | | | | | | | | | |
| future goals & | | | | | | | | | | | | | | | | | | | | | | | |
| action plans and | | | | | | | | | | | | | | | | | | | | | | | |
| work with | | | | | | | | | | | | | | | | | | | | | | | |
| residents, local | | | | | | | | | | | | | | | | | | | | | | | |
| landowners, | | | | | | | | | | | | | | | | | | | | | | | |
| refuge team, | | | | | | | | | | | | | | | | | | | | | | | |
| and Georgia | | | | | | | | | | | | | | | | | | | | | | | |
| Forestry, to | | | | | | | | | | | | | | | | | | | | | | | |
| implement | | | | | | | | | | | | | | | | | | | | | | | |
| projects and Fire | | | | | | | | | | | | | | | | | | | | | | | |
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| Ready, Set, Go! | | | | | | | | | | | | | | | | | | | | | | | |
| (RSG) Program | | | | | | | | | | | | | | | | | | | | | | | |
| and educate the | | | | | | | | | | | | | | | | | | | | | | | |
| public on its | | | | | | | | | | | | | | | | | | | | | | | |
| merits. | | | | | | | | | | | | | | | | | | | | | | | |
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| Objective #4: Ol | | | | | | | | | | | | | | | | | | | | | | | k |
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| multi-county, an | d n | nult | i-st | tate | e (G | A 8 | k FL | .) w | /ild1 | fire | mit | tiga | tic | n p | oroj | ect | s to | o a | ddr | ess | Wild | lfire | |
| risks. | | | | | | | | | | | | | | | | | | | | | | | |
| Maintain good | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| public relations | | | | | | | | | | | | | | | | | | | | | | | |
| between the | | | | | | | | | | | | | | | | | | | | | | | |
| citizens of | | | | | | | | | | | | | | | | | | | | | | | |
| Charlton County | | | | | | | | | | | | | | | | | | | | | | | |
| and the City of | | | | | | | | | | | | | | | | | | | | | | | |
| Folkston, the | | | | | | | | | | | | | | | | | | | | | | | |
| City of | | | | | | | | | | | | | | | | | | | | | | | |
| Homeland, and | | | | | | | | | | | | | | | | | | | | | | | |
| the surrounding | | | | | | | | | | | | | | | | | | | | | | | |
| Georgia counties | | | | | | | | | | | | | | | | | | | | | | | |
| of Brantley, | | | | | | | | | | | | | | | | | | | | | | | |
| Camden, Clinch, | | | | | | | | | | | | | | | | | | | | | | | |
| and Ware & the | | | | | | | | | | | | | | | | | | | | | | | |
| Florida counties | | | | | | | | | | | | | | | | | | | | | | | |
| of Baker, | | | | | | | | | | | | | | | | | | | | | | | |
| Columbia & | | | | | | | | | | | | | | | | | | | | | | | |
| Nassau. | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | <u> </u> | | | | | | | | | | | | |
| Coordinate work | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| with all | | | | | | | | | | | | | | | | | | | | | | | |
| adjoining | | | | | | | | | | | | | | | | | | | | | | | |
| counties, | | | | | | | | | | | | | | | | | | | | | | | |
| planning | | | | | | | | | | | | | | | | | | | | | | | |
| increased | | | | | | | | | | | | | | | | | | | | | | | |

| awareness and | | | | | | | | | | | | | | | | | | | | | | | |
|---|----------|------------|---------------|-------------|-----|------|-------------|------|-----|--------------|------|---------|-----------|-------------|------|-------------|-----|-----|----|-----|------|------|-----|
| resources during | | | | | | | | | | | | | | | | | | | | | | | |
| peak wildfire | | | | | | | | | | | | | | | | | | | | | | | |
| hazard | | | | | | | | | | | | | | | | | | | | | | | |
| conditions | | | | | | | | | | | | | | | | | | | | | | | |
| through | | | | | | | | | | | | | | | | | | | | | | | |
| education | | | | | | | | | | | | | | | | | | | | | | | |
| sessions, | | | | | | | | | | | | | | | | | | | | | | | |
| community | | | | | | | | | | | | | | | | | | | | | | | |
| meetings, citizen | | | | | | | | | | | | | | | | | | | | | | | |
| academies, | | | | | | | | | | | | | | | | | | | | | | | |
| etc. | | | | | | | | | | | | | | | | | | | | | | | |
| Participate | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| annually in | | | | | | | | | | | | | | | | | | | | | | | |
| National | | | | | | | | | | | | | | | | | | | | | | | |
| Community | | | | | | | | | | | | | | | | | | | | | | | |
| Wildfire | | | | | | | | | | | | | | | | | | | | | | | |
| Preparedness | | | | | | | | | | | | | | | | | | | | | | | |
| ' | | | | | | | | | | | | | | | | | | | | | | | |
| Day. | | | | | | | | L | | | | <u></u> | | <u> </u> | 1 -1 | | | | | | | | |
| - | ng | Wi | ldfi | res | and | d of | the | r eı | en | ts a | nd c | on I | ha | zar | d m | niti | | | | | | | |
| Day. Objective #5 (Ne and hazards duri | ng | Wi | ldfi | res | and | d of | the | r eı | en | ts a | nd c | on I | ha. on | zar | d m | niti | gat | | | | | | |
| Day. Objective #5 (Ne and hazards during Charlton County, Conduct | ng th | Wi e Ci | ldfi ity (| res of F | and | d of | the n, c | r ev | the | ts a e Ci | nd o | on I | ha. on | zar 1ele | d m | nitig !. | gat | ion | in | gei | nera | with | hin |
| Day. Objective #5 (Ne and hazards duri Charlton County, Conduct "tabletop" | ng th | Wi e Ci | ldfi ity (| res of F | and | d of | the n, c | r ev | the | ts a e Ci | nd o | on I | ha. on | zar 1ele | d m | nitig !. | gat | ion | in | gei | nera | with | hin |
| Day. Objective #5 (Ne and hazards during Charlton County, Conduct | ng th | Wi e Ci | ldfi ity (| res of F | and | d of | the n, c | r ev | the | ts a e Ci | nd o | on I | ha. on | zar 1ele | d m | nitig !. | gat | ion | in | gei | nera | with | hin |
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| Day. Objective #5 (Ne and hazards during Charlton County, Conduct "tabletop" exercises to help build | th + | Wi e Ci | ldfi ity (| res of F | and | d of | the n, c | r ev | the | ts a e Ci | nd o | on I | ha. on | zar 1ele | d m | nitig !. | gat | ion | in | gei | nera | with | hin |
| Day. Objective #5 (Ne and hazards during Charlton County, Conduct "tabletop" exercises to help build preparedness for | th + | Wi e Ci | ldfi ity (| res of F | and | d of | the n, c | r ev | the | ts a e Ci | nd o | on I | ha. on | zar 1ele | d m | nitig !. | gat | ion | in | gei | nera | with | hin |
| Day. Objective #5 (Ne and hazards during Charlton County, Conduct "tabletop" exercises to help build preparedness for threats and | th + | Wi e Ci | ldfi ity (| res of F | and | d of | the n, c | r ev | the | ts a e Ci | nd o | on I | ha. on | zar 1ele | d m | nitig !. | gat | ion | in | gei | nera | with | hin |
| Day. Objective #5 (Ne and hazards during Charlton County, Conduct "tabletop" exercises to help build preparedness for threats and hazards by | th + | Wi e Ci | ldfi ity (| res of F | and | d of | the n, c | r ev | the | ts a e Ci | nd o | on I | ha. on | zar 1ele | d m | nitig !. | gat | ion | in | gei | nera | with | hin |
| Day. Objective #5 (Ne and hazards during Charlton County, Conduct "tabletop" exercises to help build preparedness for threats and hazards by providing a low- | th + | Wi e Ci | ldfi ity (| res of F | and | d of | the n, c | r ev | the | ts a e Ci | nd o | on I | ha. on | zar 1ele | d m | nitig !. | gat | ion | in | gei | nera | with | hin |
| Day. Objective #5 (Ne and hazards during Charlton County, Conduct "tabletop" exercises to help build preparedness for threats and hazards by providing a lowisk cost- | th + | Wi e Ci | ldfi ity (| res of F | and | d of | the n, c | r ev | the | ts a e Ci | nd o | on I | ha. on | zar 1ele | d m | nitig !. | gat | ion | in | gei | nera | with | hin |
| Day. Objective #5 (Ne and hazards during Charlton County, Conduct "tabletop" exercises to help build preparedness for threats and hazards by providing a lowisk costeffective | th + | Wi e Ci | ldfi ity (| res of F | and | d of | the n, c | r ev | the | ts a e Ci | nd o | on I | ha. on | zar 1ele | d m | nitig !. | gat | ion | in | gei | nera | with | hin |
| Day. Objective #5 (Ne and hazards during Charlton County, Conduct "tabletop" exercises to help build preparedness for threats and hazards by providing a low-risk costeffective environment to | th + | Wi e Ci | ldfi ity (| res of F | and | d of | the n, c | r ev | the | ts a e Ci | nd o | on I | ha. on | zar 1ele | d m | nitig !. | gat | ion | in | gei | nera | with | hin |
| Day. Objective #5 (Ne and hazards during Charlton County, Conduct "tabletop" exercises to help build preparedness for threats and hazards by providing a lowisk costeffective environment to test and validate | th + | Wi e Ci | ldfi ity (| res of F | and | d of | the n, c | r ev | the | ts a e Ci | nd o | on I | ha. on | zar 1ele | d m | nitig !. | gat | ion | in | gei | nera | with | hin |
| Day. Objective #5 (Ne and hazards during Charlton County, Conduct "tabletop" exercises to help build preparedness for threats and hazards by providing a low-risk costeffective environment to test and validate plans, policies, | th + | Wi e Ci | ldfi ity (| res of F | and | d of | the n, c | r ev | the | ts a e Ci | nd o | on I | ha. on | zar 1ele | d m | nitig !. | gat | ion | in | gei | nera | with | hin |
| Day. Objective #5 (Ne and hazards during Charlton County, Conduct "tabletop" exercises to help build preparedness for threats and hazards by providing a low-risk costeffective environment to test and validate plans, policies, and capabilities | th + | Wi e Ci | ldfi ity (| res of F | and | d of | the n, c | r ev | the | ts a e Ci | nd o | on I | ha. on | zar 1ele | d m | nitig !. | gat | ion | in | gei | nera | with | hin |

| capability gaps, | | | | | | | | | | | | |
|------------------|--|--|--|--|--|--|--|--|--|--|--|--|
| strengths, areas | | | | | | | | | | | | |
| for | | | | | | | | | | | | |
| improvement, | | | | | | | | | | | | |
| and potential | | | | | | | | | | | | |
| best practices. | | | | | | | | | | | | |
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TORNADO

| STAPLEE | S | | T | • | | | Α | | | F | • | L | | | E | | | | | Ε | | |
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| Criteria | (Social) | (Te | 0 H 0 H | | | | nistra | ative | (| Poli | itical) | (Leç | gal) | (E | con | omi | ic) | (I | Envi | ronn | nental |) |
| Consideration | | tior | oilit | rtio | acts | | | atio | | | | onity | nge | | | oals | ire | ate | cie | tes | nity | aws |
| $s \rightarrow$ | nce | opula | Population Feasibilit m Solution ry Impacts | | | | | eperatio | | | | Authorit | Challeng | | | nic Goa | Requ | d / Wate | Spe | ste Si | Communit | all |
| for | Sommunity Acceptanc | egmentofPo | Fechnical F | Long-term | Secondary | | Funding Allocated | Maintenance / Oe | _ | _ | | Local | Legal | _ | | Economic | Funding Require | Effect on Land | Endangered Specie | HAZMAT / Waste Sites | with (| With Feder |
| Alternative | j. | gu | Te | ľ | Š | | /Bu | ten | Q | pio | | Existing | ntia | ctio | 5 | s to | aр | ffec | Ē | Š | sistent | tent V |
| Actions | Ē | n Se | | | | | ndi | lain | Suppor | Champior | DOL | Ä | Potential | of A | \ctic | bute | Outside | Ш | OU | | nsist | .02 |
| V | Соп | Effector | | | | Staffing | Fu | 2 | Political | Local Ch | Public Suppor | | Д | BenefitofActio | CostofAction | Contributes | 0 | | Effecton | Effecton | Con | Cons |

Mitigation Goal #1: Prevent or reduce damage caused by Tornadoes in Charlton County, Folkston, and the City of Homeland.

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

| Use a | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
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| building | | | | | | | | | | | | | | | | | | | | | | | |
| inspection | | | | | | | | | | | | | | | | | | | | | | | |
| program to | | | | | | | | | | | | | | | | | | | | | | | |
| inspect for | | | | | | | | | | | | | | | | | | | | | | | |
| adequate tie- | | | | | | | | | | | | | | | | | | | | | | | |
| downs on | | | | | | | | | | | | | | | | | | | | | | | |
| manufacture | | | | | | | | | | | | | | | | | | | | | | | |
| d housing in | | | | | | | | | | | | | | | | | | | | | | | |
| Charlton | | | | | | | | | | | | | | | | | | | | | | | |
| County, | | | | | | | | | | | | | | | | | | | | | | | |
| Folkston, and | | | | | | | | | | | | | | | | | | | | | | | |
| the City of | | | | | | | | | | | | | | | | | | | | | | | |
| Homeland. | | | | | | | | | | | | | | | | | | | | | | | |
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| Plan pre- | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
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| disaster | | | | | | | | | | | | | | | | | | | | | | | |
| mitigation in | | | | | | | | | | | | | | | | | | | | | | | |
| Tornado & | | | | | | | | | | | | | | | | | | | | | | | |
| other hazard | | | | | | | | | | | | | | | | | | | | | | | |
| seasons by | | | | | | | | | | | | | | | | | | | | | | | |
| preparing | | | | | | | | | | | | | | | | | | | | | | | |
| public service | | | | | | | | | | | | | | | | | | | | | | | |
| announceme | | | | | | | | | | | | | | | | | | | | | | | |
| nts and | | | | | | | | | | | | | | | | | | | | | | | |
| brochures | | | | | | | | | | | | | | | | | | | | | | | |
| and soliciting | | | | | | | | | | | | | | | | | | | | | | | |
| business | | | | | | | | | | | | | | | | | | | | | | | |
| participation | | | | | | | | | | | | | | | | | | | | | | | |
| to distribute | | | | | | | | | | | | | | | | | | | | | | | |
| information. | | | | | | | | | | | | | | | | | | | | | | | |
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THUNDERSTORMS & WIND

| STAPLEE Criteria | | S | | Т | | | Α | | | P |) | | L | | | Ε | | | | | E | | |
|------------------------|------|-------|------|------|-------|-------|--------|-------|-----|------|--------|-------|-----|-----|------|-----|-----|------|-----|------|-------|------|-----|
| | (So | cial) | (Te | chn | ical) | dmiı | nistra | ative | (F | Poli | tical) | (L | ega | I) | (Ec | onc | mi | c) | (Er | vir | onm | enta | al) |
| Considerations | | | | | | | | | | | | | | | | | | | | | | | |
| <i>→</i> | | | | | | | | | | | | | | | | | | | | | | | |
| for | | | | | | | | | | | | | | | | | | | | | | | |
| Alternative Actions | | | | | | | | | | | | | | | | | | | | | | | |
| ↓ | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| Mitigation Goal | #1 - | - Pr | eve | nt | or r | edu | ce c | lam | age | ca | use | d b | y T | 'nι | ınd | ers | to | rm | s a | nd | Wi | nds | in |
| Charlton County, | the | Cit | y of | f Fo | lkst | on, a | and | the | Cit | y o | f Ho | me | lar | ıd. | | | | | | | | | |
| Objective #1: Mini | imiz | e los | ses | to | exist | ing a | nd f | futui | e s | tru | cture | es, e | esp | eci | ally | Cr | tic | al F | aci | liti | es aı | nd | |
| Infrastructure, due | e to | Thu | nde | rsto | orms | and | Wir | nds. | | | | | | | | | | | | | | | |
| Increase public | + | + - | + + | + + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | + |
| awareness of | | | | | | | | | | | | | | | | | | | | | | | |
| weather radio | | | | | | | | | | | | | | | | | | | | | | | |
| distribution, | | | | | | | | | | | | | | | | | | | | | | | |
| shelters, | | | | | | | | | | | | | | | | | | | | | | | |

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| emergency | | | | | | | | | | | | | | | | | | | | | | | |
| procedures, and | | | | | | | | | | | | | | | | | | | | | | | |
| a local radio | | | | | | | | | | | | | | | | | | | | | | | |
| station as the | | | | | | | | | | | | | | | | | | | | | | | |
| emergency | | | | | | | | | | | | | | | | | | | | | | | |
| broadcast | | | | | | | | | | | | | | | | | | | | | | | |
| system station | | | | | | | | | | | | | | | | | | | | | | | |
| in Charlton | | | | | | | | | | | | | | | | | | | | | | | |
| County and the | | | | | | | | | | | | | | | | | | | | | | | |
| Cities of | | | | | | | | | | | | | | | | | | | | | | | |
| Folkston and | | | | | | | | | | | | | | | | | | | | | | | |
| Homeland | | | | | | | | | | | | | | | | | | | | | | | |
| through public | | | | | | | | | | | | | | | | | | | | | | | |
| safety | | | | | | | | | | | | | | | | | | | | | | | |
| announcements, | | | | | | | | | | | | | | | | | | | | | | | |
| nublications | | | | | | | | | | | | | | | | | | | | | | | |
| publications, and other | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| means. | | | | | | | | | | | | | | | | | | | | | | | |
| Determine wind | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| ratings and plan | | | | | | | | | | | | | | | | | | | | | | | |
| to wind retrofit | | | | | | | | | | | | | | | | | | | | | | | |
| Critical Facilities | | | | | | | | | | | | | | | | | | | | | | | |
| in Charlton | | | | | | | | | | | | | | | | | | | | | | | |
| County and the | | | | | | | | | | | | | | | | | | | | | | | |
| Cities of | | | | | | | | | | | | | | | | | | | | | | | |
| Folkston and | | | | | | | | | | | | | | | | | | | | | | | |
| Homeland as | | | | | | | | | | | | | | | | | | | | | | | |
| funds become | | | | | | | | | | | | | | | | | | | | | | | |
| available. | | | | | | | | | | | | | | | | | | | | | | | |
| Disseminate | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
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| information to | | | | | | | | | | | | | | | | | | | | | | | |
| the public | | | | | | | | | | | | | | | | | | | | | | | |
| concerning wind | | | | | | | | | | | | | | | | | | | | | | | |
| ratings, | | | | | | | | | | | | | | | | | | | | | | | |
| champion new | | | | | | | | | | | | | | | | | | | | | | | |
| construction | | | | | | | | | | | | | | | | | | | | | | | |
| being built to | | | | | | | | | | | | | | | | | | | | | | | |
| those minimum | | | | | | | | | | | | | | | | | | | | | | | |
| wind standards, | 1 | l | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | I | 1 | I | ĺ | l | | l | I | 1 | 1 | Ì | 1 | 1 |

| and champion | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------|------|-----|------|-----|-----|------|------|------|----|------|------|------|----|---|----|-----|-----|---|----|------|----|------|------|
| the wind | | | | | | | | | | | | | | | | | | | | | | | |
| retrofitting of | | | | | | | | | | | | | | | | | | | | | | | |
| existing | | | | | | | | | | | | | | | | | | | | | | | |
| buildings in | | | | | | | | | | | | | | | | | | | | | | | |
| Charlton County | | | | | | | | | | | | | | | | | | | | | | | |
| and the Cities of | | | | | | | | | | | | | | | | | | | | | | | |
| Folkston and | | | | | | | | | | | | | | | | | | | | | | | |
| Homeland. | | | | | | | | | | | | | | | | | | | | | | | |
| Enforce existing | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| dangerous | | | | | | | | | | | | | | | | | | | | | | | |
| building | | | | | | | | | | | | | | | | | | | | | | | |
| ordinances to | | | | | | | | | | | | | | | | | | | | | | | |
| prevent or | | | | | | | | | | | | | | | | | | | | | | | |
| reduce the | | | | | | | | | | | | | | | | | | | | | | | |
| number of loose | | | | | | | | | | | | | | | | | | | | | | | |
| materials | | | | | | | | | | | | | | | | | | | | | | | |
| blowing around | | | | | | | | | | | | | | | | | | | | | | | |
| and causing | | | | | | | | | | | | | | | | | | | | | | | |
| damage in | | | | | | | | | | | | | | | | | | | | | | | |
| Charlton County | | | | | | | | | | | | | | | | | | | | | | | |
| and the Cities of | | | | | | | | | | | | | | | | | | | | | | | |
| Folkston and | | | | | | | | | | | | | | | | | | | | | | | |
| Homeland. | | | | | | | | | | | | | | | | | | | | | | | |
| Objective #2: T | - | - | | | | | | | | | - | | | - | - | | | | | | | | |
| hazards during T | | | | | | | | | | | | | | | | | | | ga | tior | in | gene | eral |
| within Charlton | Cour | nty | , th | e C | ity | of F | olks | ton, | an | d tl | he (| City | of | Н | om | ela | nd. | • | | | | | |
| Conduct | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| "tabletop" | | | | | | | | | | | | | | | | | | | | | | | |
| exercises to help | | | | | | | | | | | | | | | | | | | | | | | |
| build | | | | | | | | | | | | | | | | | | | | | | | |
| preparedness | | | | | | | | | | | | | | | | | | | | | | | |
| for threats and | | | | | | | | | | | | | | | | | | | | | | | |
| hazards by | | | | | | | | | | | | | | | | | | | | | | | |
| providing a low- | | | | | | | | | | | | | | | | | | | | | | | |
| risk, cost- | | | | | | | | | | | | | | | | | | | | | | | |
| effective | | | | | | | | | | | | | | | | | | | | | | | |
| environment to | | | | | | | | | | | | | | | | | | | | | | | |
| test and | | | | | | | | | | | | | | | | | | | | | | | |

| validate plans, | | | | | | | | | | |
|------------------|--|--|--|--|--|--|--|--|--|--|
| policies, and | | | | | | | | | | |
| capabilities and | | | | | | | | | | |
| to identify | | | | | | | | | | |
| resource | | | | | | | | | | |
| requirements, | | | | | | | | | | |
| capability gaps, | | | | | | | | | | |
| strengths, areas | | | | | | | | | | |
| for | | | | | | | | | | |
| improvement, | | | | | | | | | | |
| and potential | | | | | | | | | | |
| best practices. | | | | | | | | | | |
| | | | | | | | | | | |

SEVERE WINTER STORM

| STAPLEE | (0) | 3 | | Т | | | Α | | | Р | | L | • | | E | | | | | Е | |
|---|-----------------------|-------|------|------|------|-------|-------|-------|-----|-------|-------|------|------|------|------|-----|------|-----|-------|-------|------|
| Criteria | (Soc | cial) | (Ted | chni | cal) | dmini | istra | tive | (F | oliti | ical) | (Le | gal) | (Ed | cond | omi | c) | (E | nvii | onm | enta |
| Considerations → for Alternative Actions ↓ | #1 - Prevent or reduc | | | | | | | | | | | | | | | | | | | | |
| Mitigation Goal ‡ | | | | | | | | e cau | sed | by . | Seve | re V | Vint | er S | Stor | ms | in (| Cha | ırlto | on Co | unt |

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

| Continue the | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| policy of | | | | | | | | | | | | | | | | | | | | | | | |
| wrapping | | | | | | | | | | | | | | | | | | | | | | | |
| exposed piping | | | | | | | | | | | | | | | | | | | | | | | |
| with insulation | | | | | | | | | | | | | | | | | | | | | | | |
| and installing | | | | | | | | | | | | | | | | | | | | | | | |
| new insulation | | | | | | | | | | | | | | | | | | | | | | | |

| layers at Critical Facilities in Charlton County, Folkston, and the City of Homeland. | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maintain temperatures above 32 degrees to prevent freezing in government- owned occupied and unoccupied structures in Charlton County, Folkston, and the City of Homeland. | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

| 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 Charlton County | | | | | | | | | | | | | | | | | | | | | | | |
| and the City of | | | | | | | | | | | | | | | | | | | | | | | |
| Folkston, and the | | | | | | | | | | | | | | | | | | | | | | | |
| City of Homeland. | | | | | | | | | | | | | | | | | | | | | | | |

| Conduct | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
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| "tabletop" | | | | | | | | | | | | | | | | | | | | | | | |
| exercises to help | | | | | | | | | | | | | | | | | | | | | | | |
| build . | | | | | | | | | | | | | | | | | | | | | | | |
| preparedness for | | | | | | | | | | | | | | | | | | | | | | | |
| threats and | | | | | | | | | | | | | | | | | | | | | | | |
| hazards by | | | | | | | | | | | | | | | | | | | | | | | |
| providing a low- | | | | | | | | | | | | | | | | | | | | | | | |
| risk cost- | | | | | | | | | | | | | | | | | | | | | | | |
| effective | | | | | | | | | | | | | | | | | | | | | | | |
| environment to | | | | | | | | | | | | | | | | | | | | | | | |
| test and validate | | | | | | | | | | | | | | | | | | | | | | | |
| plans, policies, | | | | | | | | | | | | | | | | | | | | | | | |
| and capabilities | | | | | | | | | | | | | | | | | | | | | | | |
| and to identify | | | | | | | | | | | | | | | | | | | | | | | |
| resource | | | | | | | | | | | | | | | | | | | | | | | |
| requirements, | | | | | | | | | | | | | | | | | | | | | | | |
| capability gaps, | | | | | | | | | | | | | | | | | | | | | | | |
| strengths, areas | | | | | | | | | | | | | | | | | | | | | | | |
| for | | | | | | | | | | | | | | | | | | | | | | | |
| improvement, | | | | | | | | | | | | | | | | | | | | | | | |
| and potential | | | | | | | | | | | | | | | | | | | | | | | |
| best practices. | | | | | | | | | | | | | | | | | | | | | | | |

HAIL

| STAPLEE | | 3 | | Т | | | | Α | | | Р | | | L | | | E | | | | E | | |
|--|-----|-------|-----|------|-------|------|------|----------|--------------------|-----|------|-------|----------|---------|------|------|-------|-----|-----------|--------|-------|---------|-------|
| Criteria | (So | cial) | (Te | chr | nical |) dr | nin | istr | ative | (P | olit | ical) | (L | .ega | al) | (Ec | ono | mic | c) | (En | viron | men | tal) |
| Considerations → for Alternative Actions ↓ | | | | | | | | | | | | | | | | | | | | | | | |
| Mitigation Goal | #1 | - Pr | eve | nt | or r | edi | ICE | da da | maσ | e c | 1115 | ed | hv | Hai | lin | Ch | arli | ton | Co | uni | tv F | olks | ton |
| and the City of I | | | | | J. 10 | cut | 4CC | uc | ıııag | | uus | cu I | y | ai | | | ai 11 | | | um | .у, г | OIKS | .011, |
| Objective #1: Min Infrastructure, du | | | | s to | exis | ting | g ai | nd j | ^f uture | str | ruct | ures | 5, e: | spe | cial | ly C | ritic | cal | Faci | ilitie | es an | nd | |
| Install storm | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| windows and/or | - | | | | | | | | | | | | | | | | | | | | | | |
| ballistic film on | | | | | | | | | | | | | | | | | | | | | | | |
| new and | | | | | | | | | | | | | | | | | | | | | | | |
| existing Critical | | | | | | | | | | | | | | | | | | | | | | | |
| Facilities and | | | | | | | | | | | | | | | | | | | | | | | |
| promote their | | | | | | | | | | | | | | | | | | | | | | | |
| installation on | | | | | | | | | | | | | | | | | | | | | | | |
| new and | | | | | | | | | | | | | | | | | | | | | | | |
| existing private | | | | | | | | | | | | | | | | | | | | | | | |
| buildings in | | | | | | | | | | | | | | | | | | | | | | | |
| Charlton County | , | | | | | | | | | | | | | | | | | | | | | | |
| Folkston, and | | | | | | | | | | | | | | | | | | | | | | | |
| the City of | | | | | | | | | | | | | | | | | | | | | | | |
| Homeland. | | | | | | | | | | | | | | | | | | | | | | | |
| Encourage the | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| public to include | | | | | | | | | | | | | | | | | | | | | | | |
| hail damage | | | | | | | | | | | | | | | | | | | | | | | |
| under insurance | | | | | | | | | | | | | | | | | | | | | | | |
| coverage and | | | | | | | | | | | | | | | | | | | | | | | |
| store equipment | : | | | | | | | | | | | | | | | | | | | | | | |
| & vehicles under | | | | | | | | | | | | | | | | | | | | | | \perp | |

| | | I | | 1 | | | | | | | | | | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | | 1 |
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| shelters in | | | | | | | | | | | | | | | | | | | | | | | |
| Charlton County | | | | | | | | | | | | | | | | | | | | | | | |
| and the Cities of | | | | | | | | | | | | | | | | | | | | | | | |
| Folkston and | | | | | | | | | | | | | | | | | | | | | | | |
| Homeland. | | | | | | | | | | | | | | | | | | | | | | | |
| Objective #2: 1 | 0 | pre | par | e a | II k | ey | pe | rso | nne | el to | o h | elp | bu | iild | pr | epa | rec | lne | ss | for | thre | ats | and |
| hazards during F | lail | an | d o | the | er e | ver | its a | anc | lor | n ha | aza | rd ı | mit | iga | tior | ı in | ge | ner | al v | wit | hin (| Charl | lton |
| County, the City | of I | Folk | cstc | n, | and | d th | e C | ity | of I | Hor | nel | and | d. | | | | | | | | | | |
| Conduct | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| "tabletop" | | | | | | | | | | | | | | | | | | | | | | | |
| exercises to help | | | | | | | | | | | | | | | | | | | | | | | |
| build | | | | | | | | | | | | | | | | | | | | | | | |
| preparedness for | | | | | | | | | | | | | | | | | | | | | | | |
| threats and | | | | | | | | | | | | | | | | | | | | | | | |
| hazards by | , | | | | | | | | | | | | | | | | | | | | | | |
| providing a low- | | | | | | | | | | | | | | | | | | | | | | | |
| risk cost- | | | | | | | | | | | | | | | | | | | | | | | |
| effective | | | | | | | | | | | | | | | | | | | | | | | |
| environment to | | | | | | | | | | | | | | | | | | | | | | | |
| test and validate | | | | | | | | | | | | | | | | | | | | | | | |
| plans, policies, | | | | | | | | | | | | | | | | | | | | | | | |
| and capabilities | | | | | | | | | | | | | | | | | | | | | | | |
| and to identify | | | | | | | | | | | | | | | | | | | | | | | |
| resource | | | | | | | | | | | | | | | | | | | | | | | |
| requirements, | | | | | | | | | | | | | | | | | | | | | | | |
| capability gaps, | | | | | | | | | | | | | | | | | | | | | | | |
| strengths, areas | | | | | | | | | | | | | | | | | | | | | | | |
| for | | | | | | | | | | | | | | | | | | | | | | | |
| improvement, | | | | | | | | | | | | | | | | | | | | | | | |
| and potential | | | | | | | | | | | | | | | | | | | | | | | |
| best practices. | | | | | | | | | | | | | | | | | | | | | | | |

DROUGHT

| STAPLEE | 5 | 3 | | Т | | | Α | | | Р | | | L | | | E | | | | | Ε | | |
|---|-----------|----------------------|---------------|-------------|--------------|----------|-------------------|-------------|-----------|----------|----------|----------|----------|-----------|------------------|--------------|----------------|------------|----------------|--------------|---------------|-----------------------|--------------|
| | (So) | Social (Technical | | | | | nistr | ativ | (P) | oliti | cal | (L | ega | ıl) | (E | con | omi | c) | (| Envi | ironn | nental |) |
| $\begin{array}{c} \text{Consideration} \\ \text{s} \rightarrow \end{array}$ | <u> </u> | ulatior | Feasibilit | Solution | Impacts | | | peration | | | | | Authorit | Challenge | | | Goals | Require | Wate | Specie | Sites | munity | ILaws |
| for | Acceptano | Segment of Populatio | Fechnical Fea | Long-term S | Secondary In | | Vlocated | 0 | _ | _ | | | Local | Legal | - | | . Economic Goa | Funding Re | ton Land /Wate | Endangered S | AT/Waste Site | twith Commental Goals | With Federal |
| Alternative Actions | Community | | Tec | L | Se | | Funding Allocated | Maintenance | Suppor | Champior | Suppor | Authorit | Existing | Potential | Benefit of Actio | Action | Contributes to | Outside | Effecton | O | n HAZMAT | Consistent | sistent |
| \ | Con | Effecton | | | | Staffing | F | 2 | Political | LocalC | Public 8 | State A | | _ | Benefit | CostofAction | Contr | 0 | | Effect | Effecton | S E | Con |

Mitigation Goal #1 - Prevent or reduce damage caused by Drought in Charlton County, Folkston, and the City of Homeland.

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

| Seek input from State and Federal agencies to enact procedures during Drought to limit water usage in Charlton County, the City of Folkston, and the City of Homeland. + + + + + + + + + + + + + + + + + + + | | | | | | | | | | | | | | | | | | | | | | | | |
|---|----------------|---|---|---|---|---|---|---|---|----|----|----|---|---|---|----|---|---|---|----|----|---|---|----|
| and Federal agencies to enact procedures during Drought to limit water usage in Charlton County, the City of Folkston, and the City of Homeland. + + + + + + + + + + + + + + + + + + + | Seek input | | | | | | | | | | | | | | | | | | | | | | | |
| agencies to enact procedures during Drought to limit water usage in Charlton County, the City of Folkston, and the City of Homeland. + + + + + + + + + + + + + + + + + + + | from State | | | | | | | | | | | | | | | | | | | | | | | |
| enact procedures during Drought to limit water usage in Charlton County, the City of Folkston, and the City of Homeland. + + + + + + + + + + + + + + + + + + + | and Federal | | | | | | | | | | | | | | | | | | | | | | | |
| procedures during Drought to limit water usage in Charlton County, the City of Folkston, and the City of Homeland. + + + + + + + + + + + + + + + + + + + | agencies to | | | | | | | | | | | | | | | | | | | | | | | |
| during Drought to limit water usage in Charlton County, the City of Folkston, and the City of Homeland. Homeland. + Replace antiquated water & sewer lines and equipment prone to | enact | | | | | | | | | | | | | | | | | | | | | | | |
| Drought to | procedures | | | | | | | | | | | | | | | | | | | | | | | |
| limit water usage in Charlton County, the City of Folkston, and the City of Homeland. + + + + + + + + + + + + + + + + + + + | _ | | | | | | | | | | | | | | | | | | | | | | | |
| usage in Charlton Charlton County, the City of Folkston, and the City of + + + + + + + + + + + + + + + + + + + | | | | | | | | | | | | | | | | | | | | | | | | |
| Charlton County, the City of Folkston, and the City of Homeland. + + + + + + + + + + + + + + + + + + + | | | | | | | | | | | | | | | | | | | | | | | | |
| County, the City of Folkston, and the City of Homeland. + + + + + + + + + + + + + + + + + + + | | | | | | | | | | | | | | | | | | | | | | | | |
| City of Folkston, and the City of Homeland. + + + + + + + + + + + + + + + + + + + | Charlton | | | | | | | | | | | | | | | | | | | | | | | |
| Folkston, and the City of Homeland. + | - | | | | | | | | | | | | | | | | | | | | | | | |
| the City of Homeland. + | City of | | | | | | | | | | | | | | | | | | | | | | | |
| Homeland. + | Folkston, and | | | | | | | | | | | | | | | | | | | | | | | |
| Replace antiquated water & sewer lines and equipment prone to | | | | | | | | | | + | + | + | + | + | + | + | + | + | + | + | + | + | | + |
| antiquated water & sewer lines and equipment prone to + + + + + + + + + + + + + + + + + + | Homeland. | + | + | + | + | + | + | + | + | | | | | | | | | | | | | | + | |
| water & sewer Ines and lines and equipment prone to + | Replace | | | | | | | | | | | | | | | | | | | | | | | |
| lines and equipment prone to + + + + + + + + + + + + + + + + + + | antiquated | | | | | | | | | | | | | | | | | | | | | | | |
| equipment | water & sewer | | | | | | | | | | | | | | | | | | | | | | | |
| prone to | lines and | | | | | | | | | | | | | | | | | | | | | | | |
| prone to | equipment | | | | | | | | | ١. | ١. | ١. | | | | ١. | | | | ١. | ١. | | | ١. |
| failure in the ' ' ' T T T T T T T | prone to | _ | _ | _ | _ | _ | _ | _ | _ | + | + | + | + | + | + | + | + | + | + | + | + | + | _ | + |
| | failure in the | | | - | - | - | - | - | - | | | | | | | | | | | | | | | |

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| City of | | | | | | | | | | | | | | | | | | | | | | | |
| Folkston and | | | | | | | | | | | | | | | | | | | | | | | |
| the City of | | | | | | | | | | | | | | | | | | | | | | | |
| Homeland | | | | | | | | | | | | | | | | | | | | | | | |
| through CDBG | | | | | | | | | | | | | | | | | | | | | | | |
| grant funds | | | | | | | | | | | | | | | | | | | | | | | |
| and other | | | | | | | | | | | | | | | | | | | | | | | |
| funds. | | | | | | | | | | | | | | | | | | | | | | | |
| Work with the | | | | | | | | | | | | | | | | | | | | | | | |
| County | | | | | | | | | | | | | | | | | | | | | | | |
| Extension | | | | | | | | | | | | | | | | | | | | | | | |
| Agent to | | | | | | | | | | | | | | | | | | | | | | | |
| distribute | | | | | | | | | | | | | | | | | | | | | | | |
| literature | | | | | | | | | | | | | | | | | | | | | | | |
| related to | | | | | | | | | | | | | | | | | | | | | | | |
| best | | | | | | | | | | | | | | | | | | | | | | | |
| management | | | | | | | | | | | | | | | | | | | | | | | |
| practices in | | | | | | | | | | | | | | | | | | | | | | | |
| Charlton | | | | | | | | | | | | | | | | | | | | | | | |
| County, | | | | | | | | | | | | | | | | | | | | | | | |
| Folkston, and | | | | | | | | | | | | | | | | | | | | | | | |
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| Promote | | | | | | | | | | | | | | | | | | | | | | | |
| increased | | | | | | | | | | | | | | | | | | | | | | | |
| usage of | | | | | | | | | | | | | | | | | | | | | | | |
| surface water | | | | | | | | | | | | | | | | | | | | | | | |
| and surface | | | | | | | | | | | | | | | | | | | | | | | |
| artesian flow | | | | | | | | | | | | | | | | | | | | | | | |
| for irrigation | | | | | | | | | | | | | | | | | | | | | | | |
| instead of well | | | | | | | | | | | | | | | | | | | | | | | |
| systems in | | | | | | | | | | | | | | | | | | | | | | | |
| Charlton | | | | | | | | | | | | | | | | | | | | | | | |
| County, | | | | | | | | | | | | | | | | | | | | | | | |
| Folkston, and | | | | | | | | | | | | | | | | | | | | | | | |
| the City of | | | | | | | | | + | + | + | + | + | + | + | + | + | + | + | + | + | | + |
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Objective #2: To prepare all key personnel to help build preparedness for threats and hazards during Drought and other events and on hazard mitigation in general within Charlton County, the City of Folkston, and the City of Homeland.

| Conduct | | | | | | | | | | | | | | | | | | | | | | | |
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| "tabletop" | | | | | | | | | | | | | | | | | | | | | | | |
| exercises to | | | | | | | | | | | | | | | | | | | | | | | |
| help build | | | | | | | | | | | | | | | | | | | | | | | |
| preparedness | | | | | | | | | | | | | | | | | | | | | | | |
| for threats | | | | | | | | | | | | | | | | | | | | | | | |
| and hazards | | | | | | | | | | | | | | | | | | | | | | | |
| by providing a | | | | | | | | | | | | | | | | | | | | | | | |
| low-risk cost- | | | | | | | | | | | | | | | | | | | | | | | |
| effective | | | | | | | | | | | | | | | | | | | | | | | |
| environment | | | | | | | | | | | | | | | | | | | | | | | |
| to test and | | | | | | | | | | | | | | | | | | | | | | | |
| validate plans, | | | | | | | | | | | | | | | | | | | | | | | |
| policies, and | | | | | | | | | | | | | | | | | | | | | | | |
| capabilities | | | | | | | | | | | | | | | | | | | | | | | |
| and to identify | | | | | | | | | | | | | | | | | | | | | | | |
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LIGHTNING

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| Alternative Actions | | | | | | | | | | | | | | | | | | | | | | |
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Mitigation Goal #1 - Prevent or reduce damage caused by Lightning in Charlton County, Folkston, and the City of Homeland.

| Objective #1: N Infrastructure, | | | | | | existi | ing a | nd f | utu | ire s | stru | ictu | ires | s, es | spe | cial | ly C | riti | cal | Fac | ilities | , and | |
|--|---|---|---|---|---|--------|-------|------|-----|-------|------|------|------|-------|-----|------|----------|------|---------------------------------------|-----|---------|-------|--|
| Educate the public on the risk of lightning. | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Purchase portable warning signs that will inform | | | + | + | | | | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| residents. | + | + | | | + | + | + | | | | | | | | | | | | | | + | + | |
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| or threats and | | | | | | | | | | | | | | | | | | | | | | | |
| nazards by | | | | | | | | | | | | | | | | | | | | | | | |
| providing a | | | | | | | | | | | | | | | | | | | | | | | |
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| nd to identify | | | | | | | | | | | | | | | | | | | | | | | |
| esource | | | | | | | | | | | | | | | | | | | | | | | |
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| strengths, | | + | + | + | | | | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| areas for | + | | | | + | + | + | | | | | | | | | | | | | | + | + | |
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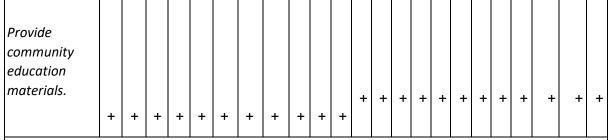
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EXTREME HEAT

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| Considerations | | | | | | | | | | | | | | | | | | | | | | | |
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| Alternative Actions | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | |

Mitigation Goal #1: Ensure the citizens of Charlton County, the City of Folkston, and the City of Homeland are warned about the dangers of Extreme Heat.

Objective #1: Educate area citizens about the dangers of Extreme Heat Events.



Mitigation Goal #2: Maintain comfortable temperatures in governmental buildings during warmer months.

Objective #2: Maintain HVAC mechanical systems in governmental buildings, update new procedures as required, and add insulation.

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|--|-----|------|------|------|-------|------|-------|------|-----|------|------|-----|------|-----|-----|-----|------|------|-----|-----|------|------|----|
| Inspects systems bi- annually or as required. | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
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| Objective #3: 1 | _ | - | | | _ | - | | | | _ | | | - | - | | | | | | | | | |
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| Charlton Coun | ty, | the | City | y of | Fol | ksto | on, a | and | the | Cit | y of | f H | omo | ela | nd. | | | | | | | | |
| Conduct | | | | | | | | | | | | | | | | | | | | | | | |
| "tabletop" | | | | | | | | | | | | | | | | | | | | | | | |
| exercises to | | | | | | | | | | | | | | | | | | | | | | | |
| help build | | | | | | | | | | | | | | | | | | | | | | | |
| preparedness | | | | | | | | | | | | | | | | | | | | | | | |
| for threats and | | | | | | | | | | | | | | | | | | | | | | | |
| hazards by | | | | | | | | | | | | | | | | | | | | | | | |
| providing a | | | | | | | | | | | | | | | | | | | | | | | |
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| validate plans, | | | | | | | | | | | | | | | | | | | | | | | |
| policies, and | | | | | | | | | | | | | | | | | | | | | | | |
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| and to identify | | | | | | | | | | | | | | | | | | | | | | | |
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| areas for | | | | | | | | | | | | | | | | | | | | | | | |
| improvement, | | | | | | | | | | | | | | | | | | | | | | | |
| and potential | | | | | | | | | | | | | | | | | | | | | | | |
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PUBLIC HEALTH EMERGENCY

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| Considerations → | | | | | | | | | | | | | | | | | | | | | | | |
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| Alternative Actions | | | | | | | | | | | | | | | | | | | | | | | |
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| Mitigation Goa | l #1 | : Pr | ote | ct tl | he p | орі | ılati | on c | of C | har | lto | n C | ou | nty | fro | om | the | e ef | fec | cts | of Pu | ublic | : |
| Health Emerge | ncie | s. | | | | | | | | | | | | | | | | | | | | | |

Objective #1: Prepare ways to reduce public exposure to potential or active Public Health Emergencies.

| Increase | | | | | | | | | | | | | | | | | | | | | | | |
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| prevention, and | | | | | | | | | | | | | | | | | | | | | | | |
| pre-planning | | | | | | | | | | | | | | | | | | | | | | | |
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| particularly for | | | | | | | | | | | | | | | | | | | | | | | |
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| and low-income | | | | | | | | | | | | | | | | | | | | | | | |
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| the community, | | | | | | | | | | | | | | | | | | | | | | | |
| and host flu | | | | | | | | | | | | | | | | | | | | | | | |
| shots and other | | | | | | | | | | | | | | | | | | | | | | | |
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| clinics. | + | + | + | + | + | + | + | + | | | | | | | | | | | | | | | |
| Identify | + | + | + | + | + | + | + | + | | | | | | | | | | | | | | | |
| vulnerable | | | | | | | | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| populations | | | | | | | | | | | | | | | | | | | | | | | |
| (homeless, | | | | | | | | | | | | | | | | | | | | | | | |
| migrants, low | | | | | | | | | | | | | | | | | | | | | | | |
| income, etc.) | | | | | | | | | | | | | | | | | | | | | | | |
| and identify | | | | | | | | | | | | | | | | | | | | | | | |
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| locations to | | | | | | | | | | | | | | | | | | | | | | | |
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| distribute | | | | | | | | | | | | | | | | | | | | | | | |
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| s, safe drinking | | | | | | | | | | | | | | | | | | | | | | | |
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| effective | | | | | | | | | | | | | | | | | | | | | | | |
| environment to | | | | | | | | | | | | | | | | | | | | | | | |
| test and validate | | | | | | | | | | | | | | | | | | | | | | | |
| plans, policies, | | | | | | | | | | | | | | | | | | | | | | | |
| and capabilities | | | | | | | | | | | | | | | | | | | | | | | |
| and to identify | | | | | | | | | | | | | | | | | | | | | | | |
| resource | | | | | | | | | | | | | | | | | | | | | | | |
| requirements, | | | | | | | | | | | | | | | | | | | | | | | |

| capability gaps, strengths, areas | | | | | | | | | | | | |
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| strengths, areas | | | | | | | | | | | | |
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| improvement, and potential | | | | | | | | | | | | |
| best practices. | | | | | | | | | | | | |
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Appendix E.I - Agendas

HAZARDS REVIEW

CHARLTON COUNTY HAZARD MITIGATION PLAN UPDATE WORKSHOP #1 September 14, 2021

Hazards contained in the 2018 HMP

Natural Hazards

- 1. Hurricane/Tropical Storm
- 2. Flood/Slush
- 3. Wildfire
- 4. Tornado
- 5. Thunderstorm/Wind
- 6. Severe Winter Storm
- 7. Hail
- 8. Drought
- 9. Lightning
- 10. Extreme Heat

Local Technological / Man-made Hazards

- 1. Public Health Emergency
- 2. Chemical, Biological, Radiological, Nuclear, and Explosive (CBRNE) Incidents



CHARLTON COUNTY AND THE CITIES OF FOLKSTON, AND HOMELAND HAZARD MITIGATION PLAN UPDATE WORKSHOP #2

ACTION STEPS October 11, 2021

- I. Welcome and Introductions
- II. Purpose of Workshop
- III. Hazards Review
- IV. Review and update Action Steps
- V. Questions and Comments
- VII. Closing Remarks
 - a. Labor Match Form
 - b. 3rd Workshop May 12, 2022



CHARLTON COUNTY AND THE CITIES OF FOLKSTON, AND HOMELAND HAZARD MITIGATION PLAN UPDATE WORKSHOP #3

ACTION STEPS May 12, 2022

- I. Welcome and Introductions
- II. Purpose of Workshop
- III. Reviewed the previous draft
- IV. Continued to review and update Action Steps
- V. Questions and Comments
- VII. Closing Remarks
 - a. Labor Match Form

Appendix E.II – Notices

Charlton County 2023 HMP Kick-OFF Public Hearing 7-21-21

HAZARD MITIGATION PLAN UPDATE PUBLIC HEARING int

ta

Chariton County Including the Cities of
Homeland, Folkston, I
and All Unincorporated
Areas Public Hearing
for the Charlton County Multi-Jurisdictional
Hazard Mitigation Plan Pi
Update:

The Charlton County the Emergency Management Agency (EMA), in cooperation with the Southern Georgia Mi Regional Commission G (SGRC), invites the pub- is lie to attend a Public ur Hearing to discuss the of Charlton County Multi- go Jurisdictional Hazard M. Mitigation Plan and Ch provide an opportuni- ba ty 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 and Charlton County EMA will host a Public Hearing Open House on August 5, 2021 at 10,00 am at the EOC Office located at 426 Rosa Park Rd. Folkston, GA 31537.

Comments are being accepted by email at lityltenesgre.us, by fax at 229-333-5312, or by mailing them to Charlton HMP, 1937 Caylton 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 Loretta Hylton at the Southern Georgia Regional Commission, (229) 333-5277.

402 07/21

(SAVE THIS PAGE FOR 2nd Public Hearing Notice)

Appendix E.III – Sign-In Sheets

| | Charlton County and Cities of Folkston and Homeland Hazard Mitigation Plan Update – 1st Workshop Date: September 14, 2021 | rn Georgia Kegional Commissinty and Cities of Folkston and Bigation Plan Update – 1st Work Date: September 14, 2021 | |
|---------------------|---|--|--|
| Name | Organization | 1106 | Email |
| LOVETTO HUTTON SGRC | SFRC | Planner | 1 hy /thn @ 59 rc. 45 |
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SOUTHERN GEORGIA REGIONAL COMMISSION
CHARLTON COUNTY HAZARD MITIATION
2ND WORKSHOP – ACTION STEPS
MONDAY, OCTOBER 15, 2021

| | ORGANIZATION | PHONE | E-MAIL |
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SIGN – IN SHEET
SOUTHERN GEORGIA REGIONAL COMMISSION
GARLTON COUNTY AND CITIES OF FOLKSTON, AND HOMELAND 2023 HAZARD MITIGATION WORKSHOP
THIRD WORKSHOP PUBLIC HEARING
THURSDAY, MAY 12, 2023

| NAME | ORGANIZATION | PHONE | E-MAIL |
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| Lance C. human | City of Homeland | 912-276-0663 | city of homeland Oyahoo. Com |
| Total Hove | C'ty OF Fallston! | 917-1196-3826 | Dotale Thomas City of Tatton/ 917-1196-3826 de lovenchartonaunts |
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Appendix E.IV – Adoption Resolutions

APPENDIX F. REPORTS AND INVENTORIES

Appendix F.I – General Historic Reports

Storm Events Database

Search Results for Charlton County, Georgia

Event Types: Hurricane (Typhoon)

Charlton county contains the following zones:

Charlton, Northeastern Charlton , Western Charlton

0 events were reported between 01/01/1950 and 08/30/2022 (26540 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 <u>Database Details</u> for more information.

| | | | | | | | | Sort By: Date/Time (Older | | | | | | | |
|----------|-------------|-----|------|------|-----|------|-----|---------------------------|-----|-------|-------|--|--|--|--|
| Location | County/Zone | St. | Date | Time | IZ. | Type | Mag | Dth | ini | PrD | CrD | | | | |
| Totals: | | | | | | | | 0 | 0 | 0.00K | 0.00K | | | | |

Event Types: Tropical Storm

Charlton county contains the following zones:

Charlton, Northeastern Charlton , Western Charlton

6 events were reported between 01/01/1950 and 08/30/2022 (26540 days)

Summary Info:

| Summary Info: | |
|--|---|
| Number of County/Zone areas affected: | 1 |
| 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: | 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 <u>Database Details</u> for more information.

| Location | County/Zone | St. | Date | Time | T.Z. | Type | Mag | Dth | Inj | PrD | CrD |
|-----------------|-----------------|-----|------------|-------|-------|----------------|-----|-----|-----|-------|-------|
| Totals: | | | | | | | | 0 | 0 | 0.00K | 0.00K |
| CHARLTON (ZONE) | CHARLTON (ZONE) | GA | 09/05/2004 | 00:01 | EST | Tropical Storm | | 0 | 0 | 0.00K | 0.00K |
| CHARLTON (ZONE) | CHARLTON (ZONE) | GA | 09/25/2004 | 12:00 | EST | Tropical Storm | | 0 | 0 | 0.00K | 0.00K |
| CHARLTON (ZONE) | CHARLTON (ZONE) | GA | 06/01/2007 | 16:38 | EST-5 | Tropical Storm | | 0 | 0 | 0.00K | 0.00K |
| CHARLTON (ZONE) | CHARLTON (ZONE) | GA | 09/01/2016 | 07:00 | EST-5 | Tropical Storm | | 0 | 0 | 0.00K | 0.00K |
| CHARLTON (ZONE) | CHARLTON (ZONE) | GA | 10/06/2016 | 07:00 | EST-5 | Tropical Storm | | 0 | 0 | 0.00K | 0.00K |
| CHARLTON (ZONE) | CHARLTON (ZONE) | GA | 09/10/2017 | 11:00 | EST-5 | Tropical Storm | | 0 | 0 | 0.00K | 0.00K |
| Totals: | | | | | | | | 0 | 0 | 0.00K | 0.00K |

Sort By | Date/Time (Oldest) | w

Search Results for Charlton County, Georgia

Event Types: Flood

Charlton county contains the following zones:

Chariton, Northeastern Chariton , Western Chariton

10 events were reported between 11/01/1950 and 12/30/2021 (25993 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: | 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 <u>Database Details</u> for more information.

Sort By: Date/Time (Oldest) >

| Location | County/Zone | St. | Date | Time | T.Z. | Type | Mag | <u>Dth</u> | <u>Inj</u> | PrD | CrD |
|-----------------|-----------------|-----|------------|-------|-------|-------|-----|------------|------------|--------|-------|
| Totals: | | | | | | | | 0 | 0 | 25.00K | 0.00K |
| CHARLTON (ZONE) | CHARLTON (ZONE) | GA | 03/01/1998 | 00:01 | EST | Flood | | 0 | 0 | 25.00K | 0.00K |
| CHARLTON (ZONE) | CHARLTON (ZONE) | GA | 09/09/2004 | 11:00 | EST | Flood | | 0 | 0 | 0.00K | 0.00K |
| CHARLTON (ZONE) | CHARLTON (ZONE) | GA | 09/09/2004 | 11:00 | EST | Flood | | 0 | 0 | 0.00K | 0.00K |
| CHARLTON (ZONE) | CHARLTON (ZONE) | GA | 09/10/2004 | 15:13 | EST | Flood | | 0 | 0 | 0.00K | 0.00K |
| CHARLTON (ZONE) | CHARLTON (ZONE) | GA | 06/25/2005 | 12:55 | EST | Flood | | 0 | 0 | 0.00K | 0.00K |
| CHARLTON (ZONE) | CHARLTON (ZONE) | GA | 06/25/2005 | 13:00 | EST | Flood | | 0 | 0 | 0.00K | 0.00K |
| CHARLTON (ZONE) | CHARLTON (ZONE) | GA | 06/25/2005 | 13:00 | EST | Flood | | 0 | 0 | 0.00K | 0.00K |
| CHARLTON (ZONE) | CHARLTON (ZONE) | GA | 06/25/2005 | 16:45 | EST | Flood | | 0 | 0 | 0.00K | 0.00K |
| CHARLTON (ZONE) | CHARLTON (ZONE) | GA | 07/02/2005 | 13:40 | EST | Flood | | 0 | 0 | 0.00K | 0.00K |
| CLARKING | CHARLTON CO. | GA | 07/07/2021 | 14:00 | EST-5 | Flood | | 0 | 0 | 0.00K | 0.00K |
| Totals: | | | | | | | | 0 | 0 | 25.00K | 0.00K |

Search Results for Charlton County, Georgia

Event Types: Wildfire

Charlton county contains the following zones: Charlton, Northeastern Charlton , Western Charlton

4 events were reported between 01/01/1950 and 08/31/2022 (26541 days)

Summary Info:

| Number of County/Zone areas affected: | 2 |
|--|---|
| Number of Days with Event: | 4 |
| 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 <u>Database Details</u> for more information.

Sort By: Date/Time (Oldest) V

| | | | | | | | | | | to, mile (| Jiddotj - |
|-----------------|-----------------|-----|------------|-------|-------|----------|-----|-----|-----|------------|-----------|
| Location | County/Zone | St. | Date | Time | T.Z. | Type | Mag | Dth | lnj | PrD | CrD |
| Totals: | | | | | | | | 0 | 0 | 0.00K | 0.00K |
| COUNTYWIDE | CHARLTON CO. | GA | 05/30/1999 | 16:00 | EST | Wildfire | | 0 | 0 | 0.00K | 0.00K |
| ST GEORGE | CHARLTON CO. | GA | 07/11/2000 | 19:00 | EST | Wildfire | | 0 | 0 | 0.00K | 0.00K |
| CHARLTON (ZONE) | CHARLTON (ZONE) | GA | 05/01/2007 | 00:00 | EST-5 | Wildfire | | 0 | 0 | 0.00K | 0.00K |
| CHARLTON (ZONE) | CHARLTON (ZONE) | GA | 05/01/2017 | 00:00 | EST-5 | Wildfire | | 0 | 0 | 0.00K | 0.00K |
| Totals: | | | | | | | | 0 | 0 | 0.00K | 0.00K |

Search Results for Charlton County, Georgia

Event Types: Tornado

9 events were reported between 01/01/1950 and 01/31/2022 (26329 days)

Summary Info:

| Summary inio. | |
|--|---|
| Number of County/Zone areas affected: | 1 |
| Number of Days with Event: | 8 |
| 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: | 4 |
| Number of Days with Event and Crop Damage: | 0 |
| Number of Event Types reported: | 1 |

Column Definitions:

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

Click on Location below to display details.

Available Event Types have changed over time. Please refer to the <u>Database Dotails</u> for more information.

Sort By: Date/Time (Oldest) v Select: All Tornadoes

| Location | County/Zone | St | Date | Time | T.Z. | Type | Mag | Dth | lni | PrD | CrD |
|--------------|----------------|----|------------|-------|-------|---------|-----|-----|-----|---------|-------|
| Totals: | | | | | | | | 0 | 1 | 167.50K | 0.00K |
| CHARLTON CO. | CHARLTON CO. | GA | 03/31/1961 | 13:20 | CST | Tomado | F1 | 0 | 1 | 0.00K | 0.00K |
| MATTOX | CHARLTON CO. | GA | 02/02/1996 | 19:20 | EST | Tomado | FO | 0 | 0 | 12.00K | 0.00K |
| WINOKUR | CHARLTON CO. | GA | 11/08/1996 | 11:15 | EST | Tomado | F0 | 0 | 0 | 0.00K | 0.00K |
| FOLKSTON | CHARLTON CO. | GA | 02/22/1998 | 17:05 | EST | Tomado | F0 | 0 | 0 | 5.00K | 0.00K |
| ST GEORGE | CHARLTON CO. | GA | 03/30/2000 | 14:45 | EST | Tornado | F0 | 0 | 0 | 0.50K | 0.00K |
| WINOKUR | CHARLTON CO. | GA | 12/24/2002 | 11:43 | EST | Tornado | F1 | 0 | 0 | 100.00K | 0.00K |
| FOLKSTON | CHARLTON CO. | GA | 12/24/2002 | 11:50 | EST | Tornado | F0 | 0 | 0 | 50.00K | 0.00K |
| CLARKING | CHARLTON CO. | GA | 03/07/2008 | 10:20 | EST-5 | Tomado | EF1 | 0 | 0 | 0.00K | 0.00K |
| ST GEORGE | CHARLTON CO. | GA | 01/21/2010 | 12:45 | EST-5 | Tomado | EF0 | 0 | 0 | 0.00K | 0.00K |
| Totals: | 0,3312,011,001 | - | | | - | | | 0 | 1 | 167.50K | 0.00K |

Storm Events Database
Search Results for Charlton County, Georgia
Event Types: Thunderstorm Wind

111 events were reported between 11/01/1000 111 events were reported between 11/01/1950 and 12/30/2021 (25993 days)

Summary Info:

| Number of County/Zone areas affected: | 1 |
|--|----|
| Number of Days with Event: | 90 |
| 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: | 32 |
| Number of Days with Event and Crop Damage: | 2 |
| 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: All Wind Speeds

Sort Rv: Date/Time (Oldest) ▼

| Location | County/Zone | St. | Date | Time | T.Z. | Туре | Mag | Dth | lnj | PrD | CrD |
|--------------|--------------|-----|-------------|-------|------|-------------------|---------|-----|-----|---------|--------|
| Totals: | | | | | | | | 0 | 2 | 217.00K | 51.00K |
| CHARLTON CO. | CHARLTON CO. | GA | 04/26/1975 | 18:15 | CST | Thunderstorm Wind | 0 kts. | 0 | 0 | 0.00K | 0.00K |
| CHARLTON CO. | CHARLTON CO. | GA | 02/27/1984 | 09:30 | CST | Thunderstorm Wind | 0 kts. | 0 | 0 | 0.00K | 0.00K |
| CHARLTON CO. | CHARLTON CO. | GA | 10/11/1990 | 18:30 | CST | Thunderstorm Wind | 0 kts. | 0 | 0 | 0.00K | 0.00K |
| CHARLTON CO. | CHARLTON CO. | GA | 08/05/1992 | 18:15 | PST | Thunderstorm Wind | 0 kts. | 0 | 0 | 0.00K | 0.00K |
| CHARLTON CO. | CHARLTON CO. | GA | 08/18/1992 | 17:15 | PST | Thunderstorm Wind | 0 kts. | 0 | 0 | 0.00K | 0.00K |
| Folkston | CHARLTON CO. | GA | 02/11/1995 | 22:00 | EST | Thunderstorm Wind | 0 kts. | 0 | 0 | 135.00K | 50.00K |
| CHARLTON CO. | CHARLTON CO. | GA | 11/07/1995 | 20:05 | EST | Thunderstorm Wind | 0 kts. | 0 | 0 | 3.00K | 0.00K |
| RIVERSIDE | CHARLTON CO. | GA | 02/02/1996 | 19:00 | EST | Thunderstorm Wind | 55 kts. | 0 | 0 | 0.00K | 0.00K |
| FOLKSTON | CHARLTON CO. | GA | 02/02/1996 | 19:00 | EST | Thunderstorm Wind | 55 kts. | 0 | 0 | 2.00K | 0.00K |
| MATTOX | CHARLTON CO. | GA | 02/02/1996 | 19:10 | EST | Thunderstorm Wind | 60 kts. | 0 | 0 | 2.50K | 0.00K |
| ST GEORGE | CHARLTON CO. | GA | 06/07/1996 | 18:05 | EST | Thunderstorm Wind | 60 kts. | 0 | 0 | 2.00K | 0.00K |
| WINOKUR | CHARLTON CO. | GA | 08/05/1996 | 16:50 | EST | Thunderstorm Wind | 60 kts. | 0 | 0 | 2.00K | 0.00K |
| WINOKUR | CHARLTON CO. | GA | 09/16/1997 | 15:45 | EST | Thunderstorm Wind | | 0 | 0 | 1.50K | 0.00K |
| FOLKSTON | CHARLTON CO. | GA | 11/02/1997 | 00:10 | EST | Thunderstorm Wind | | 0 | 0 | 2.00K | 0.00K |
| FOLKSTON | CHARLTON CO. | GA | 02/16/1998 | 10:00 | EST | Thunderstorm Wind | | 0 | 0 | 2.00K | 0.00K |
| ST GEORGE | CHARLTON CO. | GA | 04/08/1998 | 13:40 | EST | Thunderstorm Wind | | 0 | 0 | 2.00K | 0.00K |
| WINOKUR | CHARLTON CO. | GA | 04/08/1998 | 16:00 | EST | Thunderstorm Wind | | 0 | 0 | 1.50K | 0.00K |
| FOLKSTON | CHARLTON CO. | GA | 06/19/1998 | 18:45 | EST | Thunderstorm Wind | | 0 | 0 | 0.50K | 0.00K |
| UPTONVILLE | CHARLTON CO. | GA | 06/22/1998 | 16:45 | EST | Thunderstorm Wind | | 0 | 0 | 1.00K | 0.00K |
| FOLKSTON | CHARLTON CO. | GA | 07/22/1998 | 15:25 | EST | Thunderstorm Wind | | 0 | 0 | 1.50K | 0.00K |
| FOLKSTON | CHARLTON CO. | GA | 07/28/1998 | 16:30 | EST | Thunderstorm Wind | | 0 | 0 | 1.50K | 0.00K |
| ST GEORGE | CHARLTON CO. | GA | 08/08/1998 | 13:30 | EST | Thunderstorm Wind | | 0 | 0 | 1.50K | 0.00K |
| ST GEORGE | CHARLTON CO. | GA | 08/09/1998 | 14:20 | EST | Thunderstorm Wind | | 0 | 0 | 1.50K | 0.00K |
| FOLKSTON | CHARLTON CO. | GA | 01/02/1999 | 22:50 | EST | Thunderstorm Wind | | 0 | 0 | 1.50K | 0.00K |
| FOLKSTON | CHARLTON COA | GA | 08/02/1999: | 19:45 | EST | Thunderstorm Wind | | 0 | 0 | 3.50K | 0.00K |

| FOLKSTON | CHARLTON CO. | GA | 09/07/1999 | 16:38 | EST | Thunderstorm Wind | | 0 | 0 | 2.50K | 0 |
|--------------------|--------------|--------|------------|-------|-------|-------------------|------------|-----|---|--------|----|
| FOLKSTON | CHARLTON CO. | GA | 01/24/2000 | 08:11 | EST | Thunderstorm Wind | | 0 | 0 | 2.50K | 0 |
| FOLKSTON | CHARLTON CO. | GA | 02/27/2000 | 13:45 | EST | Thunderstorm Wind | | 0 | 0 | 0.50K | 0. |
| FOLKSTON | CHARLTON CO. | GA | 03/27/2000 | 17:05 | EST | Thunderstorm Wind | | 0 | 0 | 2.50K | 0. |
| HOMELAND | CHARLTON CO. | GA | 03/27/2000 | 17:30 | EST | Thunderstorm Wind | | 0 | 0 | 3.00K | 0. |
| FOLKSTON | CHARLTON CO. | GA | 03/27/2000 | 19:40 | EST | Thunderstorm Wind | | 0 | 0 | 2.50K | 0. |
| FOLKSTON | CHARLTON CO. | GA | 06/15/2000 | 17:00 | EST | Thunderstorm Wind | | 0 | 0 | 2.50K | 0. |
| FOLKSTON | CHARLTON CO. | GA | 07/11/2000 | 18:00 | EST | Thunderstorm Wind | | 0 | 0 | 2.50K | 0 |
| FOLKSTON | CHARLTON CO. | GA | 03/13/2001 | 05:00 | EST | Thunderstorm Wind | | 0 | 0 | 2.50K | 0. |
| FOLKSTON | CHARLTON CO. | GA | 03/13/2001 | 05:00 | EST | Thunderstorm Wind | | 0 | 0 | 2.50K | 0 |
| FOLKSTON | CHARLTON CO. | GA | 03/15/2001 | 16:10 | EST | Thunderstorm Wind | | 0 | 0 | 0.50K | 0 |
| ST GEORGE | CHARLTON CO. | GA | 06/16/2001 | 16:35 | EST | Thunderstorm Wind | | 0 | 0 | 2.00K | 0. |
| FOLKSTON | CHARLTON CO. | GA | 06/14/2002 | 20:30 | EST | Thunderstorm Wind | | 0 | 0 | 5.00K | 0. |
| ST GEORGE | CHARLTON CO. | GA | 07/20/2002 | 14:20 | EST | Thunderstorm Wind | | 0 | 0 | 2.00K | 0. |
| MONIAC | CHARLTON CO. | GA | 11/06/2002 | 05:40 | EST | Thunderstorm Wind | | 0 | 0 | 10.00K | 0. |
| FOLKSTON | CHARLTON CO. | GA | 02/22/2003 | 15:10 | EST | Thunderstorm Wind | 60 kts. EG | 0 | 0 | 5.00K | 0. |
| FOLKSTON | CHARLTON CO. | GA | 03/13/2003 | 11:15 | EST | Thunderstorm Wind | 60 kts. EG | 0 | 0 | 0.00K | 0. |
| ST GEORGE | CHARLTON CO. | GA | 04/25/2003 | 12:45 | EST | Thunderstorm Wind | 60 kts. EG | 0 | 0 | 0.00K | 0 |
| FOLKSTON | CHARLTON CO. | GA | 05/18/2003 | 17:00 | EST | Thunderstorm Wind | 55 kts. EG | 0 | 0 | 0.00K | 0. |
| COUNTYWIDE | CHARLTON CO. | GA | 06/11/2003 | 16:00 | EST | Thunderstorm Wind | 55 kts. EG | 0 | 0 | 0.00K | 0 |
| ST GEORGE | CHARLTON CO. | GA | 07/26/2003 | 17:00 | EST | Thunderstorm Wind | 55 kts. EG | 0 | 0 | 0.00K | 0 |
| FOLKSTON | CHARLTON CO. | GA | 07/30/2003 | 14:35 | EST | Thunderstorm Wind | 50 kts. EG | 0 | 0 | 0.00K | 0 |
| RACEPOND | CHARLTON CO. | GA | 01/26/2004 | 17:30 | EST | Thunderstorm Wind | 50 kts. ES | 0 | 0 | 0.00K | 0 |
| ST GEORGE | CHARLTON CO. | GA | 06/01/2004 | 16:05 | EST | Thunderstorm Wind | 50 kts. EG | 0 | 0 | 0.00K | 0 |
| ST GEORGE | CHARLTON CO. | GA | 06/03/2004 | 16:50 | EST | Thunderstorm Wind | 50 kts. EG | 0 | 0 | 0.00K | 0 |
| ST GEORGE | CHARLTON CO. | GA | 06/29/2004 | 19:25 | EST | Thunderstorm Wind | 56 kts. MG | 0 | 0 | 0.00K | 0 |
| FOLKSTON | CHARLTON CO. | GA | 07/15/2004 | 11:40 | EST | Thunderstorm Wind | 50 kts. EG | 0 | 0 | 0.00K | 0 |
| HOMELAND | CHARLTON CO. | GA | 07/15/2004 | 11:55 | EST | Thunderstorm Wind | 50 kts. EG | 0 | 0 | 0.00K | 0 |
| WINOKUR | CHARLTON CO. | GA | 07/15/2004 | 16:10 | EST | Thunderstorm Wind | 50 kts. EG | 0 | 0 | 0.00K | 0 |
| FOLKSTON | CHARLTON CO. | - | 05/10/2006 | 20:45 | | Thunderstorm Wind | 50 kts. EG | 0 | 0 | 0.00K | 0 |
| FOLKSTON | CHARLTON CO. | GA | 07/29/2006 | 16:30 | EST | Thunderstorm Wind | 50 kts. EG | 0 | 0 | 0.00K | 0 |
| FOLKSTON | CHARLTON CO. | - | 07/29/2006 | 16:30 | EST | Thunderstorm Wind | 50 kts. EG | 0 | 0 | 0.00K | 0 |
| HOMELAND | CHARLTON CO. | GA | | 05:00 | EST-5 | Thunderstorm Wind | 50 kts. EG | 0 | 0 | 0.00K | 0 |
| HOMELAND | CHARLTON CO. | | 04/15/2007 | | EST-5 | Thunderstorm Wind | 52 kts. EG | 0 | 0 | | 0 |
| FOLKSTON | CHARLTON CO. | - | 06/11/2007 | 13:35 | EST-5 | Thunderstorm Wind | 50 kts. EG | 0 | 0 | 0.00K | 0 |
| FOLKSTON | CHARLTON CO. | | 07/13/2007 | 14:55 | | Thunderstorm Wind | 50 kts. EG | 0 | 0 | 0.00K | 0 |
| RACEPOND | CHARLTON CO. | - | 07/20/2007 | 18:33 | | Thunderstorm Wind | 50 kts. EG | 0 | 0 | 0.00K | 0 |
| PAXTON | CHARLTON CO. | 100 | 07/21/2007 | | EST-5 | Thunderstorm Wind | 50 kts. EG | 0 | 0 | 0.00K | 0 |
| HOMELAND | CHARLTON CO. | _ | 08/11/2007 | - | | Thunderstorm Wind | 50 kts. EG | 0 | 0 | 0.00K | 0 |
| TRADERS HILL | CHARLTON CO. | - | 06/10/2008 | 15:57 | | Thunderstorm Wind | 50 kts. EG | 0 | 0 | | 0 |
| HOMELAND | CHARLTON CO. | | 06/10/2008 | 16:00 | EST-5 | Thunderstorm Wind | 50 kts. EG | 0 | 0 | | 0 |
| HOMELAND | CHARLTON CO. | - | 06/28/2008 | | EST-5 | | 50 kts. EG | 0 | 0 | | 0 |
| HOMELAND | CHARLTON CO. | _ | 07/23/2008 | - | EST-5 | Thunderstorm Wind | 50 kts. EG | 0 | 0 | | 0 |
| HOMELAND | CHARLTON CO. | - | 08/13/2008 | | | Thunderstorm Wind | 52 kts. EG | 0 | 0 | | 0 |
| Control of Control | CHARLTON CO. | - | 08/13/2008 | _ | EST-5 | | 50 kts. EG | 100 | 0 | | 0 |
| HOMELAND | | - | | _ | EST-5 | | | 0 | 2 | | 0 |
| HOMELAND | CHARLTON CO. | _ | 08/13/2008 | - | - | | 50 kts. EG | 0 | - | | - |
| HOMELAND | CHARLTON CO. | - | 08/13/2008 | - | EST-5 | Thunderstorm Wind | 50 kts. EG | 0 | 0 | | 0 |
| WINQKUR | CHARLTON CO. | 100000 | 04/13/2009 | - | EST-5 | | 50 kts. EG | 0 | 0 | | 0 |
| HOMELAND | CHARLTON CO. | 10000 | 06/22/2009 | 18:05 | - | Thunderstorm Wind | 50 kts. EG | 0 | 0 | | 0 |
| HOMELAND | CHARLTON CO. | | 06/29/2009 | _ | EST-5 | Thunderstorm Wind | 50 kts. EG | 0 | | 0.00K | 0 |
| HOMELAND | CHARLTON CO. | - | 01/21/2010 | _ | EST-5 | Thunderstorm Wind | 50 kts. EG | 0 | 0 | | 0 |
| COLERAIN | CHARLTON CO. | 100 | 06/18/2010 | _ | EST-5 | Thunderstorm Wind | 50 kts. EG | 0 | 0 | | 0 |
| HOMELAND | CHARLTON CO. | - | 06/26/2010 | _ | EST-5 | Thunderstorm Wind | 50 kts. EG | 0 | - | 0.00K | 0 |
| FOLKSTON | CHARLTON CO. | GA | 06/26/2010 | 16:30 | EST-5 | Thunderstorm Wind | 50 kts. EG | 0 | 0 | 0.00K | 0 |

| HOMELAND | CHARLTON CO. | GA | 06/23/2011 | 13:30 | EST-5 | Thunderstorm Wind | 50 kts. | EG | 0 | 0 | 0.00K | 0.00K |
|---------------------|--------------|----|------------|-------|-------|-------------------|---------|----|---|---|---------|--------|
| FOLKSTON | CHARLTON CO. | GA | 06/23/2011 | 14:06 | EST-5 | Thunderstorm Wind | 50 kts. | EG | 0 | 0 | 0.00K | 0.00K |
| HOMELAND | CHARLTON CO. | GA | 06/23/2011 | 14:15 | EST-5 | Thunderstorm Wind | 52 kts. | EG | 0 | 0 | 0.00K | 0.00K |
| COLERAIN | CHARLTON CO. | GA | 09/20/2011 | 13:55 | EST-5 | Thunderstorm Wind | 50 kts. | EG | 0 | 0 | 0.00K | 0.00K |
| NEWELL | CHARLTON CO. | GA | 05/06/2012 | 15:30 | EST-5 | Thunderstorm Wind | 50 kts. | EG | 0 | 0 | 0.00K | 0.00K |
| PAXTON | CHARLTON CO. | GA | 06/12/2012 | 12:20 | EST-5 | Thunderstorm Wind | 45 kts. | ĘG | 0 | 0 | 0.00K | 1.00K |
| UPTONVILLE | CHARLTON CO. | GA | 07/30/2012 | 14:10 | EST-5 | Thunderstorm Wind | 50 kts. | EG | 0 | 0 | 0.00K | 0.00K |
| PAXTON | CHARLTON CO. | GA | 08/15/2012 | 14:40 | EST-5 | Thunderstorm Wind | 50 kts. | EG | 0 | 0 | 0.00K | 0.00K |
| PAXTON | CHARLTON CO. | GA | 09/18/2012 | 09:40 | EST-5 | Thunderstorm Wind | 50 kts. | EG | 0 | 0 | 0.00K | 0.00K |
| HOMELAND | CHARLTON CO. | GA | 09/20/2012 | 13:08 | EST-5 | Thunderstorm Wind | 50 kts. | EG | 0 | 0 | 0.00K | 0.00K |
| PAXTON | CHARLTON CO. | GA | 01/30/2013 | 09:30 | EST-5 | Thunderstorm Wind | 50 kts. | EG | 0 | 0 | 0.00K | 0.00K |
| STOKESVILLE | CHARLTON CO. | GA | 05/19/2013 | 20:45 | EST-5 | Thunderstorm Wind | 50 kts. | EG | 0 | 0 | 0.00K | 0.00K |
| PAXTON | CHARLTON CO. | GA | 02/21/2014 | 10:30 | EST-5 | Thunderstorm Wind | 50 kts. | EG | 0 | 0 | 0.00K | 0.00K |
| NEWELL | CHARLTON CO. | GA | 06/20/2014 | 17:50 | EST-5 | Thunderstorm Wind | 50 kts. | EG | 0 | 0 | 0.00K | 0.00K |
| WINOKUR | CHARLTON CO. | GA | 06/24/2014 | 17:13 | EST-5 | Thunderstorm Wind | 50 kts. | EG | 0 | 0 | 0.00K | 0.00K |
| HOMELAND | CHARLTON CO. | GA | 08/19/2014 | 14:45 | EST-5 | Thunderstorm Wind | 45 kts. | EG | 0 | 0 | 0.50K | 0.00K |
| FOLKSTON | CHARLTON CO. | GA | 04/19/2015 | 15:58 | EST-5 | Thunderstorm Wind | 50 kts. | EG | 0 | 0 | 0.00K | 0.00K |
| FOLKSTON | CHARLTON CO. | GA | 04/19/2015 | 21:00 | EST-5 | Thunderstorm Wind | 50 kts. | EG | 0 | 0 | 0.00K | 0.00K |
| HOMELAND | CHARLTON CO. | GA | 06/30/2015 | 13:34 | EST-5 | Thunderstorm Wind | 50 kts. | EG | 0 | 0 | 0.00K | 0.00K |
| FOLKSTON DAVIS ARPT | CHARLTON CO. | GA | 07/16/2016 | 16:17 | EST-5 | Thunderstorm Wind | 50 kts. | EG | 0 | 0 | 0.00K | 0.00K |
| HOMELAND | CHARLTON CO. | GA | 07/16/2016 | 16:25 | EST-5 | Thunderstorm Wind | 50 kts. | EG | 0 | 0 | 0.00K | 0.00K |
| UPTONVILLE | CHARLTON CO. | GA | 07/17/2016 | 16:26 | EST-5 | Thunderstorm Wind | 50 kts. | EG | 0 | 0 | 0.00K | 0.00K |
| HOMELAND | CHARLTON CO. | GA | 01/22/2017 | 18:20 | EST-5 | Thunderstorm Wind | 61 kts. | EG | 0 | 0 | 0.00K | 0.00K |
| HOMELAND | CHARLTON CO. | GA | 06/15/2017 | 16:35 | EST-5 | Thunderstorm Wind | 50 kts. | EG | 0 | 0 | 0.00K | 0.00K |
| UPTONVILLE | CHARLTON CO. | GA | 06/02/2018 | 15:45 | EST-5 | Thunderstorm Wind | 50 kts. | EG | 0 | 0 | 0.00K | 0.00K |
| HOMELAND | CHARLTON CO. | GA | 06/02/2018 | 16:00 | EST-5 | Thunderstorm Wind | 52 kts. | EG | 0 | 0 | 0.00K | 0.00K |
| FOLKSTON DAVIS ARPT | CHARLTON CO. | GA | 06/02/2018 | 16:00 | EST-5 | Thunderstorm Wind | 50 kts. | EG | 0 | 0 | 0.00K | 0.00K |
| TOLEDO | CHARLTON CO. | GA | 03/01/2019 | 13:58 | EST-5 | Thunderstorm Wind | 40 kts. | EG | 0 | 0 | 0.50K | 0.00K |
| PAXTON | CHARLTON CO. | GA | 04/19/2019 | 10:10 | EST-5 | Thunderstorm Wind | 50 kts. | EG | 0 | 0 | 0.00K | 0.00K |
| HOMELAND | CHARLTON CO. | GA | 04/19/2019 | 10:50 | EST-5 | Thunderstorm Wind | 50 kts. | EG | 0 | 0 | 0.00K | 0.00K |
| ST GEORGE | CHARLTON CO. | GA | 04/20/2020 | 03:40 | EST-5 | Thunderstorm Wind | 50 kts. | EG | 0 | 0 | 0.00K | 0.00K |
| Totals: | | | | | | | | | 0 | 2 | 217.00K | 51.00K |

Search Results for Charlton County, Georgia

Event Types: Winter Storm

Chariton county contains the following zones: Chariton, Northeastern Chariton , Western Chariton

1 events were reported between 11/01/1950 and 12/30/2021 (25993 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 |

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 Datails for more information.

Sort By: Date/Time (Oldest) >

| Location | County/Zone | St. | Date | Time | T.Z. | Туре | Mag | Dth | loj | PrD | CrD |
|-----------------|-----------------|-----|------------|-------|-------|--------------|-----|-----|-----|-------|-------|
| Totals: | | | | | | | | 0 | 0 | 0.00K | 0.00K |
| CHARLTON (ZONE) | CHARLTON (ZONE) | GA | 01/03/2018 | 07:33 | EST-5 | Winter Storm | | 0 | 0 | 0.00K | 0.00K |
| Totals: | | | | | | | | 0 | 0 | 0.00K | 0.00K |

Storm Events Database Search Results for Chariton County, Georgia

Event Types: Hall

49 events were reported between 11/01/1950 and 12/30/2021 (25993 days)

Summary Info:

| Number of County/Zone areas affected: | 1 |
|--|----|
| Number of Days with Event: | 33 |
| 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 <u>Database Details</u> for more information.

Select: All Hail

| | | | | SOR B | у: ов | ter time (| Oldest) V | |
|----|------|------|-------|-------|-------|------------|-----------|---|
| m. | D-4- | Ylma | T | | | | | 1 |

| Location | County/Zone | St. | Date | Time | T.Z. | Type | Mag | Dth | <u>Inj</u> | PrD | CrD |
|--------------|--------------|-----|------------|-------|------|------|----------|-----|------------|-------|-------|
| Totals: | | | | | | | | 0 | 0 | 0.00K | 0.00K |
| CHARLTON CO. | CHARLTON CO. | GA | 04/30/1971 | 07:00 | CST | Hail | 1.75 in. | 0 | 0 | 0.00K | 0.00K |
| CHARLTON CO. | CHARLTON CO. | GA | 04/26/1975 | 18:00 | CST | Hail | 1.75 in. | 0 | 0 | 0.00K | 0.00K |
| WINOKUR | CHARLTON CO. | GA | 09/16/1997 | 15:30 | EST | Hail | 0.75 in. | 0 | 0 | 0.00K | 0.00K |
| RACEPOND | CHARLTON CO. | GA | 06/19/1998 | 16:45 | EST | Hail | 1.00 in. | 0 | 0 | 0.00K | 0.00K |
| WINOKÚR | CHARLTON CO. | GA | 06/19/1998 | 16:55 | EST | Hail | 0.75 in. | 0 | 0 | 0.00K | 0.00K |
| FOLKSTON | CHARLTON CO. | GA | 06/19/1998 | 17:35 | EST | Hail | 0.75 in. | 0 | 0 | 0.00K | 0.00K |
| FOLKSTON | CHARLTON CO. | GA | 06/28/1998 | 16:37 | EST | Hail | 0.75 in. | σ | 0 | 0.00K | 0.00K |
| FOLKSTON | CHARLTON CO. | GA | 01/02/1999 | 17:40 | EST | Hall | 0.88 in. | 0 | 0 | 0.00K | 0.00K |
| ST GEORGE | CHARLTON CO. | GA | 11/21/1999 | 13:50 | EST | Hail | 1.50 in. | 0 | 0 | 0.00K | 0.00K |
| RACEPOND | CHARLTON CO. | GA | 03/27/2000 | 16:50 | EST | Hail | 1.75 in. | 0 | 0 | 0.00K | 0.00K |
| FOLKSTON | CHARLTON CO. | GA | 03/27/2000 | 17:00 | EST | Hail | 1.75 in. | 0 | 0 | 0.00K | 0.00K |
| FOLKSTON | CHARLTON CO. | GA | 03/27/2000 | 17:15 | EST | Hail | 2.00 in. | 0 | 0 | 0.00K | 0.00K |
| FOLKSTON | CHARLTON CO. | GA | 03/27/2000 | 17:30 | EST | Hail | 0.88 in. | 0 | 0 | 0.00K | 0.00K |
| RACEPOND | CHARLTON CO. | GA | 03/27/2000 | 18:35 | EST | Hail | 1.75 in. | 0 | 0 | 0.00K | 0.00K |
| WINOKUR | CHARLTON CO. | GA | 04/24/2000 | 12:50 | EST | Hail | 0.75 in. | 0 | 0 | 0.00K | 0.00K |
| WINOKUR | CHARLTON CO. | GA | 04/24/2000 | 14:47 | EST | Hail | 0.88 in. | 0 | 0 | 0.00K | 0.00K |
| FOLKSTON | CHARLTON CO. | GA | 06/13/2000 | 16:45 | EST | Hail | 0.75 in. | 0 | 0 | 0.00K | 0.00K |
| FOLKSTON | CHARLTON CO. | GA | 05/27/2001 | 17:14 | EST | Hail | 0.75 in. | 0 | 0 | 0.00K | 0.00K |
| ST GEORGE | CHARLTON CO. | GA | 06/18/2001 | 13:15 | EST | Hail | 0.75 in. | 0 | 0 | 0.00K | 0.00K |
| FOLKSTON | CHARLTON CO. | GA | 06/26/2001 | 18:15 | EST | Hail | 0.75 in. | 0 | 0 | 0.00K | 0.00K |
| FOLKSTON | CHARLTON CO. | GA | 05/31/2002 | 16:00 | EST | Hail | 0.75 in. | 0 | 0 | 0.00K | 0.00K |
| WINOKUR | CHARLTON CO. | GA | 06/22/2004 | 13:45 | EST | Hail | 0.75 in. | 0 | 0 | 0.00K | 0.00K |
| FOLKSTON | CHARLTON CO. | GA | 07/15/2004 | 11:40 | EST | Hail | 0.75 in. | 0 | 0 | 0.00K | 0.00K |
| HOMELAND | CHARLTON CO. | GA | 07/15/2004 | 11:55 | EST | Hail | 0.75 in. | 0 | 0 | 0.00K | 0.00K |
| WINOKUR | CHARLTON CO. | GA | 07/15/2004 | 16:10 | EST | Hail | 0.75 in. | 0 | 0 | 0.00K | 0.00K |
| HOMELAND | CHARLTON CO. | GA | 07/15/2004 | 16:45 | EST | Hail | 0.75 in. | 0 | 0 | 0.00K | 0.00K |
| FOLKSTON | CHARLTON CO. | GA | 03/14/2005 | 16:52 | EST | Hail | 0.75 in. | 0 | 0 | 0.00K | 0.00K |
| FOLKSTON | CHARLTON CO. | GA | 03/25/2005 | 06:15 | EST | Hail | 1.75 in. | 0 | 0 | 0.00K | 0.00K |

| FOLKSTON | CHARLTON CO. | GA | 03/26/2005 | 12:20 | EST | Hail | 0.75 in. | 0 | 0 | 0.00K | 0.00K |
|--------------|--------------|----|------------|-------|-------|------|----------|---|---|-------|-------|
| RACEPOND | CHARLTON CO. | GA | 02/03/2006 | 19:00 | EST | Hail | 1.00 in. | 0 | 0 | 0.00K | 0.00K |
| FOLKSTON | CHARLTON CO. | GA | 02/03/2006 | 20:40 | EST | Hail | 1.00 in. | 0 | 0 | 0.00K | 0.00K |
| MONIAC | CHARLTON CO. | GA | 04/08/2006 | 17:35 | EST | Hail | 1.75 in. | 0 | 0 | 0.00K | 0.00K |
| ST GEORGE | CHARLTON CO. | GA | 05/15/2006 | 13:00 | EST | Hail | 0.88 in. | 0 | 0 | 0.00K | 0.00K |
| ST GEORGE | CHARLTON CO. | GA | 05/15/2006 | 15:15 | EST | Hail | 0.88 in. | 0 | 0 | 0.00K | 0.00K |
| RACEPOND | CHARLTON CO. | GA | 05/15/2006 | 15:30 | EST | Hail | 1.00 in. | 0 | 0 | 0.00K | 0.00K |
| FOLKSTON | CHARLTON CO. | GA | 05/15/2006 | 18:15 | EST | Hail | 1.00 in. | 0 | 0 | 0.00K | 0.00K |
| HOMELAND | CHARLTON CO. | GA | 06/13/2007 | 12:40 | EST-5 | Hail | 1.00 in. | 0 | 0 | 0.00K | 0.00K |
| ST GEORGE | CHARLTON CO. | GA | 06/25/2008 | 16:36 | EST-5 | Hail | 0.75 in. | 0 | 0 | 0.00K | 0.00K |
| HOMELAND | CHARLTON CO. | GA | 10/09/2008 | 11:30 | EST-5 | Hail | 1.00 in. | 0 | 0 | 0.00K | 0.00K |
| UPTONVILLE | CHARLTON CO. | GA | 10/09/2008 | 12:00 | EST-5 | Hail | 0.75 in. | 0 | 0 | 0.00K | 0.00K |
| FOLKSTON | CHARLTON CO. | GA | 04/13/2009 | 16:40 | EST-5 | Hail | 1.00 in. | 0 | 0 | 0.00K | 0.00K |
| HOMELAND | CHARLTON CO. | GA | 04/13/2009 | 16:43 | EST-5 | Hail | 1.25 in. | 0 | 0 | 0.00K | 0.00K |
| MATTOX | CHARLTON CO. | GA | 06/18/2009 | 22:06 | EST-5 | Hail | 0.88 in. | 0 | 0 | 0.00K | 0.00K |
| NEWELL | CHARLTON CO. | GA | 04/25/2010 | 15:55 | EST-5 | Hail | 1.00 in. | 0 | 0 | 0.00K | 0.00K |
| PAXTON | CHARLTON CO. | GA | 05/21/2010 | 17:35 | EST-5 | Hail | 1.75 in. | 0 | 0 | 0.00K | 0.00K |
| FOLKSTON | CHARLTON CO. | GA | 06/26/2010 | 16:18 | EST-5 | Hail | 0.75 in. | 0 | 0 | 0.00K | 0.00K |
| TRADERS HILL | CHARLTON CO. | GA | 05/12/2011 | 15:35 | EST-5 | Hail | 0.75 in. | 0 | 0 | 0.00K | 0.00K |
| FOLKSTON | CHARLTON CO. | GA | 05/14/2011 | 11:40 | EST-5 | Hail | 1.00 in. | 0 | 0 | 0.00K | 0.00K |
| WINOKUR | CHARLTON CO. | GA | 05/25/2014 | 15:40 | EST-5 | Hail | 1.75 in. | 0 | 0 | 0.00K | 0.00K |
| Totals: | | | | | | | | 0 | 0 | 0.00K | 0.00K |

Search Results for Charlton County, Georgia

Event Types: Drought

Charlton county contains the following zones: Charlton, Northeastern Charlton , Western Charlton

1 events were reported between 01/01/1950 and 01/31/2022 (26329 days)

Summary Info:

| adrilliary illo. | |
|--|---|
| 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 |

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 <u>Database Details</u> for more information.

Sort By: Date/Time (Oldest) >

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

Search Results for Charlton County, Georgia

Event Types: Lightning

2 events were reported between 11/01/1950 and 12/30/2021 (25993 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: | 2 |
| 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 <u>Database Details</u> for more information.

Sort By: Date/Time (Oldest) >

| Location | County/Zone | St. | Date | Time | T.Z. | Type | Mag | <u>Dth</u> | loj | PrD | CrD |
|--------------|--------------|-----|------------|-------|-------|-----------|-----|------------|-----|---------|-------|
| Totals: | | | | | | | - | 0 | 0 | 102.00K | 0.00K |
| HOMELAND | CHARLTON CO. | GA | 08/15/2012 | 15:00 | EST-5 | Lightning | | 0 | 0 | 2.00K | 0.00K |
| CHARLTON CO. | CHARLTON CO. | GA | 07/21/2019 | 18:30 | EST-5 | Lightning | | 0 | 0 | 100.00K | 0.00K |
| Totals: | | | | | | | | 0 | 0 | 102.00K | 0.00K |

Search Results for Charlton County, Georgia

Event Types: Excessive Heat

Charlton county contains the following zones: Charlton, Northeastern Charlton , Western Charlton

0 events were reported between 01/01/1950 and 08/30/2022 (26540 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 <u>Database Details</u> for more information.

| | | | | | | | | | 2 | Sort By: Date | /Time (Oldest) > |
|----------|-------------|-----|------|------|-----|------|-----|-----|-----|---------------|------------------|
| Location | County/Zone | St. | Date | Time | TZ. | Type | Mag | Dth | loi | PrD | CrD |
| Totals: | | | | | | | | 0 | 0 | 0.00K | 0.00K |

Charlton County Critical Facilities

| 2 | Name | Jurisdiction | Address | oth | FacilityTypes | BuildingValue |
|-------|---|------------------|--|-----------|------------------------------------|---------------|
| 60879 | Chariton County Antenna Repeater #1 | Foliston offy | Courthouse, 1520 Third Street | Folikston | Emergency Services, Communications | 350000.00 |
| 60880 | Chariton County Antenna Repeater #2 | Chariton County | GA Bend FD, Okelenokee Pkwy. @ C.R. #3 | Folkston | Emergency Services, Communications | 350000.00 |
| 60881 | Chariton County BOE: St. George Elementary | Chariton County | GA HWL. #121 S | Folkston | Education, K - 12 | 7227000.00 |
| 60882 | Chariton County Cooperative Extension | Folkston ofty | 55 Kingsland Drive | Folkston | Government, Government Offices | 669600.00 |
| 60883 | Charlton County Health Dept. Homecare | Folkston dty | 302 First Street S | Folkston | Medical, Medical Offices | 300000.00 |
| 60884 | Charlton County Health Dept. | Folkston city | 2587 Third Street N | Folkston | Medical, Medical Offices | 2 135 700.00 |
| 60885 | Chariton County Public Library | Follistan dity | 1291 Indian Trail | Folkston | Education, Library | 2625000.00 |
| 98809 | Charlton County Senior Center | Folkston dty | 1520 Third Street | Folkston | Government, Day Care | 1631100.00 |
| 60887 | City of Folkston Water Line System | Folkston city | 541 First Street | Folkston | Government, Water/Sewer | 50000000.00 |
| 60888 | City of Folkston Sewerline System | Folkston city | Gowen Drive Extension | Folkston | Government, Water/Sewer | 50000000.00 |
| 60889 | City of Folkston City Hall | Folkston ofty | 541 First Street | Folkston | Government, City Hall | 1233900.00 |
| 60890 | City of Folkston Depot-Chamber of Commerce | Folkston aty | Main Street W. | Folkston | Government, Government Offices | 1132800.00 |
| 60858 | U.S. 301 N Lift Station | Folkston dty | U.S. 301 North | Folkston | Government, Water/Sewer | 30000000 |
| 60857 | Prison Lift Station | Folkston dty | S.R. 252 | Folkston | Government, EMS | 30000000 |
| 95809 | S.R. 252 Lift Station | Chariton County | S.R. 252 | Folkston | Government, EMS | 30000000 |
| 60855 | Folkston Park Care And Rehabilitation | Folkston dty | 36261 Oke fenokee Drive | Folkston | Medical, Medical Offices | 8400000.00 |
| 60854 | Ascension Medical Group St. Vincents Primary Care | Folkston ofty | 2383 Third Street | Folkston | Medical, Medical Offices | 1200000.00 |
| 60853 | Traders Hill Pump House | Charlton County | Tracy's Ferry Road | Folkston | Government, Water/Sewer | 30000000 |
| 60852 | Charlton County EMS Station #2-St. George | Charlton County | Georgia Avenue | Folkston | Emergency Services, EMS | 291000.00 |
| 60851 | St. George Pump House | Charlton County | Georgia Avenue | Folkston | Government, Water/Sewer | 45000.00 |
| 60850 | Georgia Power Substation | Charlton County | U.S. #1 North | Folkston | Government, Water/Sewer | 7500000.00 |
| 60849 | Charlton County BOE-Foliston Elementary School | Folkston dty | 34754 Oler fen okee Drive | Folkston | Emergency Services, EMA | 21416700.00 |
| 60848 | Chariton County BOE-Bethune Middle School | Folkston dty | 285 Little Phoebe Church Road | Folkston | Education, K - 12 | 27666300.00 |
| 60847 | City of Folkston Water System-Burntfort Road | Folkston ofty | Burntfort Road | Folkston | Government, Water/Sewer | 1000000.00 |
| 60846 | Kingsland Drive Lift Station | Charlton County | Kingsland Drive (SR 40) | Folkston | Government, Water/Sewer | 30000000 |
| 60845 | Chariton County EMS 22 140 | Charlton County | 426 Rosa Parks Road | Folkston | Emergency Services, EMS | 0.00 |
| 60844 | Action Packed Services | Folkston dty | 1516 Third Street | Folkston | NGO, Clinics | 1920000.00 |
| 60843 | Camp Pinckney Baptist Church | Chariton County | 72 Camp Pinckney Road | Folkston | Emergency Services, Non-Profit | 4500000.00 |
| 60842 | First Baptist Church | Folkston dty | 1320 Third Street | Folkston | Emergency Services, Non-Profit | 4800000.00 |
| 60841 | St. George Church of God | Chariton County | GA Highway#94 | Folkston | Emergency Services, Non-Profit | 5347500.00 |
| 60840 | Ameilia Care | Folkston ofty | 3435 Second Street | Folkston | Medical, Medical Offices | 2475000.00 |
| 60839 | Charlton County Road Dept. St. George | Charitton County | GA Highway #94 | Folkston | Government, Transportation | 200000.00 |
| 60878 | Chariton County EMA | Chariton County | 426 Rosa Parks Road | Folkston | Government, EMA | 8773200.00 |
| 60877 | OREMC Electric Substation #1 | Folkston city | Third Street | Folkston | NGO, Private | 3080000.00 |
| 60876 | OREMC Electric Substation 3 | Homeland city | 630 U.S. #1 | Homeland | NGO, Private | 3080000.00 |
| 60875 | OREMC Electric Substation #2 | Chariton County | 12416 Johnson Street | Folkston | NGO, Private | 3080000.00 |
| 60874 | Georgia Power Substation | Folkston dty | 2625 Third Street | Folkston | NGO, Private | 3080000.00 |
| 60873 | Commercial Radio Tower | Homeland ofty | 558 U.S. #1 | Homeland | Emergency Services, Communications | 350000.00 |
| 60872 | City of Folkston Water Systen-Homeland | Chariton County | Homeland Park Road | Folkston | Government, Water/Sewer | 750000.00 |
| 60871 | Folistan Police Department | Folkston city | S41 First Street | Folkston | Law Enforcement, Police | 642600.00 |
| | Charlton County BOE-Maintenance | Folkston city | 2248 Third Street | Folkston | Education, K - 12 | 2925000.00 |
| | Charlton County BOE-Bus Shop | Folkston dty | S4 Albert Court | Folkston | Education, Transportation | 1260000.00 |
| 60868 | Chariton County BOE- Alternative School | Folkston dty | 2190 Third Street | Folleston | Education, K - 12 | 938400.00 |
| | Chariton County BOE Administration | Foliston ofty | 37 Touchdown Ln | Folkston | Education, K - 12 | 3915000.00 |
| | Henri Street Lift Station | Folkston ofty | Henri Street | Folkston | Government, Water/Sewer | 30000.00 |
| 9909 | Pinehust Subdivision Lift Station | Charlton County | Azalea Avenue | Folkston | Government, Water/Sewer | 30000000 |
| 60864 | Okefenokee Drive Lift Station | Folkston city | Okefenoke e Drive | Folkston | Government, Water/Sewer | 3000000 |
| 60863 | Overpass Lift Station | Folkston city | Okefenoke e Parkway | Folkston | Government, Water/Sewer | 30000000 |
| 60862 | Paxton Road Lift Station | Foliston dty | Paxton Road | Folkston | Government, Water/Sewer | 3000000 |
| 60861 | Main Street Lift Station | Folkston aty | Main Street | Folkston | Government, Water/Sewer | 30000000 |

| 09809 | Pinewood Street Lift Station | Folkston ofty | Pinewood Street | Folkston | Government, Water/Sewer | 30000000 |
|-------|--|------------------|--|-----------|------------------------------------|-------------|
| 60900 | I nomes camp unt station | duno uouseo | Indinas Road | POlikston | Government, Water/ Sewer | 300,000 |
| 60838 | Action Pack Head Start | Chariton County | 244 Mary M. Bethune Drive | Folkston | Education, Day Care | 1920000.00 |
| 60837 | New Life Baptist Church | Chariton County | 244 Mary M. Bethune Drive | Folkston | Emergency Services, EMS | 2805000.00 |
| 60891 | City of Folkston Housing Authority | Folliston dity | 434 Skth Street | Folleston | Government, Government Offices | 12000000.00 |
| 60892 | City of Folkston Road Dept. | Folliston dity | S41 First Street | Folkston | Government, Transportation | 585000.00 |
| 60893 | Georgia GA DHR DFACS | Folkston city | 401 West Oak Street | Folkston | Law Enforcement, Police | 1500000.00 |
| 60894 | Coastal Pines Adult Ed. | Folkston ofty | 68 Kingsland Drive | Folkston | Education, Jr Colleges | 0.00 |
| 60895 | City of Homeland Waterline System | Homeland offy | 401 Pennsylvania Ave. | Homeland | Government, Water/Sewer | 11000000.00 |
| 96809 | City of Homeland Machinery Enclosure | Homeland dity | 701 Pennsylvania Ave. | Homeland | Government, Transportation | 660000.00 |
| 60897 | City of Hameland Road Dept. | Homeland dity | 401 Pennsylvania Avenue | Homeland | Government, Transportation | 445200.00 |
| 96809 | Chariton County Commission Offices | Folkston dty | 68 Kingsland Drive | Folkston | Government, Court House | 5625600.00 |
| 66809 | Chariton County Storage Building OERC | Folliston dty | Kingsland Drive | Folkston | Government, Government Offices | 4800000.00 |
| 00609 | Roberson Daycare | Folkston ofty | 117 Milton Street | Folkston | Education, Day Care | 540000.00 |
| 60901 | USPO-Folliston | Folkston ofty | 3845 Main Street | Folkston | Government, Communications | 960000.00 |
| 60902 | Foliston Maintenance/Electrical Shop | Charlton County | GA N252 | Folkston | Government, Transportation | 597000.00 |
| 60903 | Chariton County 911 | Folkston ofty | 1520 Third Street | Folkston | Emergency Services, Communications | 00.00 |
| 60904 | Chariton County Antenna Repeater #3 | Chariton County | 240 Dawsie Crews Road | Folkston | Emergency Services, Communications | 350000.00 |
| 60905 | USPO-St. George | Chariton County | Highway #94 | Folkston | NGO, Communications | 00'00006 |
| 90609 | Chariton County Transfer Station | Chariton County | Highway #94 West | Folleston | NGO, Landfill | 702000.00 |
| 60907 | Georgia GFC Forestry Commission-St. George | Charlton County | Highway #94 West | Folkston | Emergency Services, Fire Fighters | 150000.00 |
| 90609 | Visiting Nurses | Folkston ofty | 3722 Main Street | Folkston | Medical, Medical Offices | 00'00006 |
| 60609 | McKinney Community Health Center | Folkston ofty | 101 A East Main Street | Folkston | Medical, Medical Offices | 720000.00 |
| 60910 | Pinevillage Campground | Homeland offy | 400 Bowery Lane | Folkston | MGO, Private | 600000.00 |
| 60911 | Georgia GFC Forestry Gowen Tower | Chariton County | Davis Road | Folkston | Emergency Services, Fire Fighters | 150000.00 |
| 60912 | U.S. FW Service Olefenolee Refuge | Chariton County | Highway #121 South @ Swamp Perimeter Road | Folkston | Law Enforcement, Police | 2002500.00 |
| 60913 | Charlton County Maintenance Shop | Chariton County | Highway #121 South | Folkston | Government, Transportation | 540000.00 |
| 60914 | Georgia GDOT Transportation Maintenance Facility | Auno) uotueu) | Highway #121 South | Folkston | Government, Transportation | 675000.00 |
| 60915 | Trader's Hill Recreation Area | Charlton County | Highway #121 South | Homeland | Government, Government Offices | 217500.00 |
| 60916 | Georgia GFC Forestry Gowen Tower | Charitton County | Highway #121 South | Folkston | Emergency Services, Fire Fighters | 990000.00 |
| 60917 | GEO Carrections Water System | Folkston city | Highway #252 North | Folkston | Government, Water/Sewer | 30000.00 |
| 60918 | GEO Carrections State Prison | Folkston city | Highway #252 North | Folkston | Law Enforcement, Prisons | 88701000.00 |
| 60919 | OREMIC Radio Tower | Folkston ofty | GA Highway#252 North/317 Rufus Edwards Rd. | Folleston | Emergency Services, Communications | 350000.00 |
| 60920 | CHESSER ISIAND ROAD LANDFILL, INC. MSWL | Folliston dty | Of Chesser Ishd Rd 12.1 MISw | Folliston | Government, Landfill | 3000000.00 |
| 60921 | Homeland Police Department | Homeland ofty | 401 Pennsylvania Ave | Homeland | Law Enforcement, Police | 153600.00 |
| 60922 | Charlton County Fire Department Station M4 GA Bend | Chariton County | Georgia Bend FD, GA Hwy, #121 @ C.R. #3 | Folkston | Emergency Services, Fire Fighters | 360000.00 |
| 60923 | Chariton County FD Station #2 St. George | Chariton County | St George FD, FL Ave //GA Hwy #121 | Folkston | Emergency Services, Fire Fighters | 1467000.00 |
| 60924 | Chariton County FD Station 01 Foliston | Foliston ofty | Railroad Ave. | Folkston | Emergency Services, Fire Fighters | 1743900.00 |
| 60925 | Chariton County FD Station #3 Racepond | Chariton County | Racepond, U.S. #1 N | Homeland | Emergency Services, Fire Fighters | 525000.00 |
| 60926 | Chariton County FD Station #5 Winokur | Aunoo uotueuo | Windicur, Route 3 Box 1110/U.S. #301 N | Folliston | Emergency Services, Fire Fighters | 720000.00 |
| 60927 | Chariton County Sheriff's Office | Folliston dity | 1520 3rd St Suite C | Folkston | Law Enforcement, Sheriff | 2400000.00 |
| 60928 | Charibon County Courthouse | Folkston ofty | 152 OThird Street | Folkston | Law Enforcement, Court House | 6945600.00 |
| 60929 | City of Homeland City Hall | Homeland city | 401 Pennsylvania Ave | Homeland | Government, City Hall | 647400.00 |
| 60930 | City of folkston (WPCP) | Folkston ofty | Gowen Drive Extension | Folkston | Government, Water/Sewer | 6501414.00 |
| 60931 | City of Homeland Water System | Homeland city | 607 Pennsylvania Ave | Homeland | Government, Water/Sewer | 750000.00 |
| 60932 | City of Folkston Water System | Folkston dity | S41 First St | Folkston | Government, Water/Sewer | 750000.00 |
| 60933 | Chariton County Airport Davis Reld | Charitton County | Highway #121 South | Folleston | Government, Transportation | 1500000.00 |
| 60934 | Chariton County BOE-High School | Folliston dty | 994 Indian Trail (GA #40 Connector) | Folkston | Education, K - 12 | 52142100.00 |
| 60935 | Unison Behavioral Health | Chariton County | 396 Kingsland Dr. | Folkston | Medical, Medical Offices | 460000.00 |
| 96609 | Hopkins, Gowen Oll Co. | Chariton County | 3693 Main street | Folleston | NGO, Transportation | 152000.00 |

APPENDIX G. HAZUS REPORT



Hazard Risk Analyses
Supplement to the Charlton County
Join Mitigation Plan



TABLE OF CONTENTS

| TABLE OF CONTENTS | 165 |
|---|------|
| Introduction | 168 |
| Risk Assessment Process Overview | 168 |
| County Inventory Changes | |
| General Building Stock Updates | 169 |
| Essential Facility Updates | 171 |
| Assumptions and Exceptions | 172 |
| Hurricane Risk Assessment | 173 |
| Hazard Definition | 173 |
| Probabilistic Hurricane Scenario | |
| Wind Damage Assessment | |
| Wind-Related Building Damages | |
| Essential Facility Losses | ,178 |
| Shelter Requirements | 178 |
| Debris Generated from Hurricane Wind | 179 |
| Flood Risk Assessment | |
| Hazard Definition | |
| Riverine 1% Flood Scenario | |
| Riverine 1% Flood Building Damages | 183 |
| Riverine 1% Flood Essential Facility Losses | 184 |
| Riverine 1% Flood Shelter Requirements | 185 |
| Riverine 1% Flood Debris. | 186 |
| Tornado Risk Assessment | 187 |
| Hazard Definition | |
| Hypothetical Tornado Scenario | 188 |
| EF3 Tornado Building Damages | 190 |
| EF3 Tornado Essential Facility Damage | 191 |
| Exceptions Report | |
| Statewide Inventory Changes | |
| County Inventory Changes | |
| General Building Stock Updates | |
| User Defined Facilities | 194 |

List of Tables

| Table 1: GBS Building Exposure Updates by Occupancy Class* | 169 |
|--|-----|
| Table 2: Updated Essential Facilities | 171 |
| Table 3: Saffir-Simpson Hurricane Wind Scale | 174 |
| Table 4: Tropical Systems affecting Charlton County | 175 |
| Table 5: Hurricane Wind Building Damage | 177 |
| Table 6: Wind-Damaged Essential Facility Losses | 178 |
| Table 7: Displaced Households and People | 178 |
| Table 8: Wind-Related Debris Weight (Tons) | 179 |
| Table 9: Charlton County Riverine 1% Building Losses | 183 |
| Table 10: Expected Damage to Essential Facilities in 1% Riverine Flood | 184 |
| Table 11: Enhanced Fujita Tornado Rating | 187 |
| Table 12: Tornado Path Widths and Damage Curves | 188 |
| Table 13: EF3 Tornado Zones and Damage Curves | 189 |
| Table 14: Estimated Building Losses by Occupancy Type | 190 |
| Table 15: Essential Facility Updates | 192 |
| Table 16: Building Inventory Default Adjustment Rates | 193 |
| Table 17: Building Count and Exposure for County and Riverine Flood Area | 194 |

List of Figures

| Figure 1: Charlton County Overview | . 170 |
|--|-------|
| Figure 2: Continental United States Hurricane Strikes: 1950 to 2018 | . 173 |
| Figure 3: Wind Speeds by Storm Category | . 176 |
| Figure 4: Hurricane Wind GBS Loss Ratios | . 177 |
| Figure 5: Hurricane Wind Shelter Requirements | . 179 |
| Figure 6: Wind-Related Debris Weight (Tons) | . 180 |
| Figure 7: Riverine 1% Flood Inundation | . 182 |
| Figure 8: Potential UDF Loss Ratios from the 1% Riverine Flood | . 183 |
| Figure 9: Damaged Buildings in 1% Riverine Flood | . 184 |
| Figure 10: Estimated Flood Shelter Requirements in 1% Riverine Flood | . 185 |
| Figure 11: Flood Debris Weight (Tons) in 1% Riverine Flood | . 186 |
| Figure 12: EF Scale Tornado Zones | . 188 |
| Figure 13: Hypothetical EF3 Tornado Path | . 189 |
| Figure 14: Modeled EF3 Tornado Damage Buffers | . 190 |
| Figure 15: Modeled Essential Facility Damage in Charlton County | . 191 |

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, including 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 2021, 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 Charlton County.

Risk Assessment Process Overview

Hazus-MH Version 2.2 SP1 was used to perform the analyses for Charlton 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. Charlton 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 Charlton County were replaced with data derived from parcel and property assessment data obtained from Charlton County. The county provided property assessment data was current as of December 2021 and the parcel data current as of December 2021. 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 Charlton County is 99.1%. 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*

| Occupancy Classification | Default Count | Updated Count | Defa | ault Exposure | Upo | dated Exposure |
|--------------------------|----------------------|----------------------|------|---------------|-----|----------------|
| Agricultural | 9 | 0 | \$ | 2,279,000 | \$ | - |
| Commercial | 151 | 215 | \$ | 87,395,000 | \$ | 101,427,000 |
| Education | 6 | 11 | \$ | 9,223,000 | \$ | 8,894,000 |
| Government | 5 | 22 | \$ | 2,627,000 | \$ | 67,606,000 |
| Industrial | 43 | 72 | \$ | 22,600,000 | \$ | 116,346,000 |
| Religious | 25 | 49 | \$ | 15,063,000 | \$ | 25,191,000 |
| Residential | 4336 | 4646 | \$ | 591,524,000 | \$ | 440,496,000 |
| Total | 4575 | 5015 | \$ | 730,711,000 | \$ | 759,960,000 |

^{*}The exposure values represent the total number and replacement cost for all Charlton County Buildings

For Charlton 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.

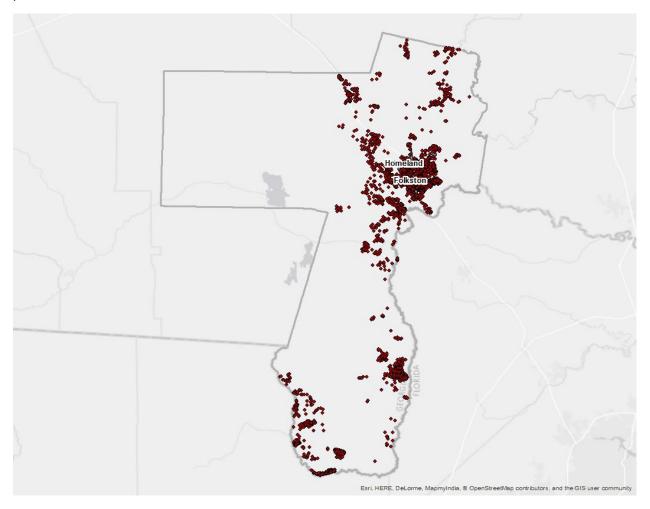


Figure 1: Charlton County Overview

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 | Upda | nted Exposure |
|----------------|----------------------|------|---------------|
| | Charlton Cou | nty | |
| EOC | 1 | \$ | 880,000 |
| Care | 3 | \$ | 11,595,000 |
| Fire | 8 | \$ | 5,775,000 |
| Police | 4 | \$ | 5,197,000 |
| School | 6 | \$ | 574,542,000 |
| Total | 22 | \$ | 597,989,000 |

| Classification | Updated Count | Upda | ated Exposure |
|----------------|---------------|------|---------------|
| | Homeland | | |
| EOC | 0 | \$ | - |
| Care | 0 | \$ | - |
| Fire | 0 | \$ | - |
| Police | 1 | \$ | 153,000 |
| School | 0 | \$ | - |
| Total | 1 | \$ | 153,000 |

| Classification | Updated Count | Upda | ited Exposure |
|----------------|---------------|------|---------------|
| | Folkston | | |
| EOC | 0 | \$ | - |
| Care | 3 | \$ | 11,595,000 |
| Fire | 1 | \$ | 1,743,000 |
| Police | 2 | \$ | 3,042,000 |
| School | 5 | \$ | 574,002,000 |
| Total | 11 | \$ | 590,382,000 |

Assumptions and Exceptions

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

- The Charlton 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 Charlton 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 2018³ 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 Charlton County by creating a 20-mile buffer around the county to include storms that didn't make direct landfall in Charlton County but impacted the county. Since 1851, Charlton County has had 76 tropical systems within 20 miles of its county borders (Table 4).

Table 4: Tropical Systems affecting Charlton County

| | | | | ing Chariton | | | | | | | |
|------|-------------|-----|--------------|--------------|----------|------|-----------|-----|-----------|--------------|----------|
| Year | Month | Day | Name | Wind (Knots) | Category | Year | Month | Day | Name | Wind (Knots) | Category |
| 1868 | October | 4 | NOTNAMED | 50 | TS | 1926 | July | 28 | NOTNAMED | 60 | TS |
| 1868 | October | 5 | NOTNAMED | 40 | TS | 1928 | September | 18 | NOTNAMED | 80 | H1 |
| 1871 | August | 18 | NOTNAMED | 60 | TS | 1932 | September | 15 | NOTNAMED | 45 | TS |
| 1871 | August | 18 | NOTNAMED | 60 | TS | 1938 | October | 24 | NOTNAMED | 40 | TS |
| 1871 | August | 18 | NOTNAMED | 50 | TS | 1946 | October | 8 | NOTNAMED | 40 | TS |
| 1871 | August | 23 | NOTNAMED | 60 | TS | 1946 | October | 8 | NOTNAMED | 35 | TS |
| 1871 | August | 23 | NOTNAMED | 50 | TS | 1946 | November | 2 | NOTNAMED | 25 | TD |
| 1871 | September | 6 | NOTNAMED | 50 | TS | 1946 | November | 2 | NOTNAMED | 25 | TD |
| 1873 | June | 2 | NOTNAMED | 40 | TS | 1947 | September | 24 | NOTNAMED | 50 | TS |
| 1873 | June | 2 | NOTNAMED | 40 | TS | 1947 | September | 24 | NOTNAMED | 45 | TS |
| 1873 | September | 19 | NOTNAMED | 60 | TS | 1947 | October | 7 | NOTNAMED | 40 | TS |
| 1874 | September | 28 | NOTNAMED | 60 | TS | 1947 | October | 7 | NOTNAMED | 35 | TS |
| 1877 | September | 20 | NOTNAMED | 40 | TS | 1950 | September | 7 | EASY | 40 | TS |
| 1877 | September | 20 | NOTNAMED | 40 | TS | 1953 | September | 20 | NOTNAMED | 40 | TS |
| 1878 | October | 11 | NOTNAMED | 40 | TS | 1960 | July | 29 | BRENDA | 30 | TD |
| 1880 | September | 8 | NOTNAMED | 40 | TS | 1964 | June | 6 | NOTNAMED | 30 | TD |
| 1882 | October | 11 | NOTNAMED | 50 | TS | 1964 | October | 5 | HILDA | 35 | Ε |
| 1885 | August | 31 | NOTNAMED | 40 | TS | 1968 | June | 7 | ABBY | 50 | TS |
| 1885 | September | 21 | NOTNAMED | 40 | TS | 1970 | May | 25 | ALMA | 25 | TD |
| 1885 | September | 30 | NOTNAMED | 30 | TD | 1970 | May | 25 | ALMA | 25 | TD |
| 1885 | October | 12 | NOTNAMED | 50 | TS | 1972 | May | 27 | ALPHA | 50 | SS |
| 1888 | September | 9 | NOTNAMED | 45 | TS | 1972 | May | 28 | ALPHA | 30 | SD |
| 1888 | September | 9 | NOTNAMED | 40 | TS | 1976 | May | 23 | SUBTROP1 | 40 | SS |
| 1893 | June | 16 | NOTNAMED | 50 | TS | 1976 | May | 24 | SUBTROP1 | 40 | SS |
| 1896 | September | 29 | NOTNAMED | 100 | Н3 | 1984 | September | 28 | ISIDORE | 45 | TS |
| 1898 | October | 2 | NOTNAMED | 115 | H4 | 1985 | October | 10 | ISABEL | 35 | TS |
| 1898 | October | 2 | NOTNAMED | 90 | H2 | 1985 | October | 11 | ISABEL | 30 | TD |
| 1900 | October | 12 | NOTNAMED | 35 | TS | 1985 | October | 11 | ISABEL | 30 | TD |
| 1907 | June | 29 | NOTNAMED | 45 | TS | 1994 | November | 21 | GORDON | 20 | TD |
| 1910 | October | 19 | NOTNAMED | 50 | TS | 1994 | November | 21 | GORDON | 20 | TD |
| 1912 | July | 15 | NOTNAMED | 45 | TS | 1996 | October | 8 | JOSEPHINE | 60 | TS |
| 1912 | July | 15 | NOTNAMED | 40 | TS | 1996 | October | 8 | JOSEPHINE | 45 | E |
| 1914 | • | 17 | NOTNAMED | 60 | TS | 1998 | October | 1 | GEORGES | 25 | TD |
| | September | 17 | NOTNAMED | 40 | TS | | 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 |
| 1919 | October | 1 | NOTNAMED | 40 | TS | 2005 | October | 6 | TAMMY | 45 | TS |
| 1924 | | 16 | NOTNAMED | 40 | TS | 2003 | June | 2 | BARRY | 30 | TD |
| 1324 | Schreitinei | 10 | INOTINAIVILD | 40 | 13 | 2007 | Julic | | ואואוט | 30 | יוו |

Category Definitions:

TS – Tropical storm

TD – Tropical depression

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

Probabilistic Hurricane Scenario

The following probabilistic wind damage risk assessment modeled a Category 1 storm with maximum winds of 93 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.

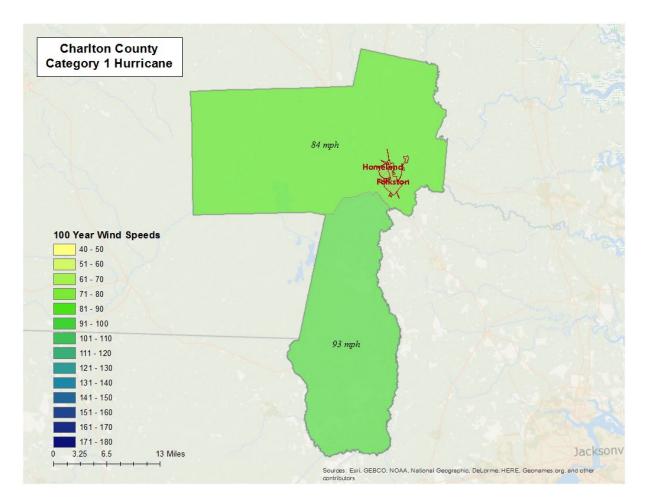


Figure 3: Wind Speeds by Storm Category

Wind-Related Building Damages

Buildings in Charlton 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 Charlton 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.

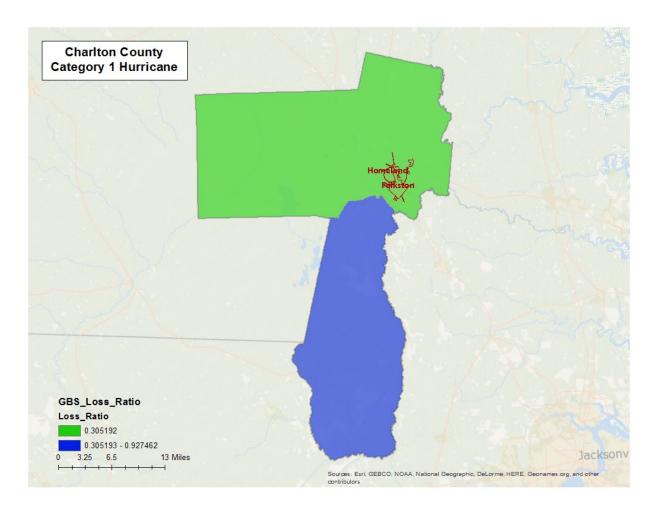


Figure 4: Hurricane Wind GBS Loss Ratios

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 | Number of | Building | Total Economic | |
|----------------|-------------------|--------------|----------------|-------------------|
| Classification | Damaged Buildings | Damages | Loss | Loss Ratio |
| Category 1 | 182 | \$ 3,156,730 | \$ 4,666,780 | 0.42 |

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

There are 22 essential facilities in Charlton County.

| Classification | Number |
|----------------|--------|
| EOC | 1 |
| Care | 3 |
| Fire | 8 |
| Police | 4 |
| School | 6 |
| Total | 22 |
| | |

Table 6: Wind-Damaged Essential Facility Losses

| Storm Classification | Facilities Moderately Damaged (>50%) | Facilities Completely Damaged (>50%) | Facilities with expected loss (<1day) |
|-------------------------|--------------------------------------|--------------------------------------|---------------------------------------|
| Category 1 | 0 | 0 | 22 |

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 | 2 | 0 |

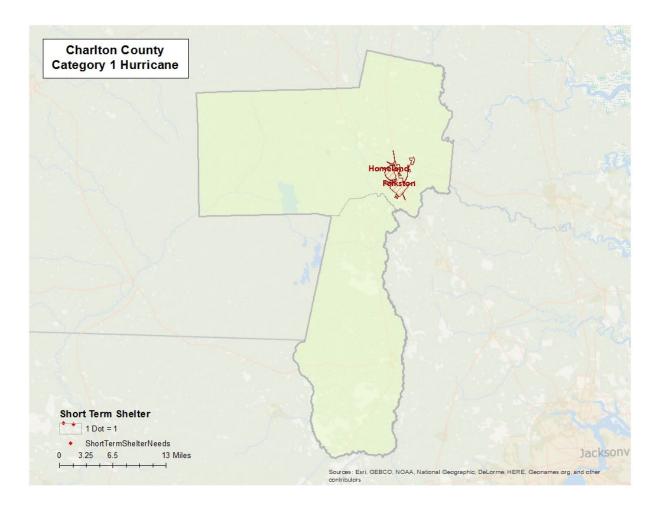


Figure 5: Hurricane Wind Shelter Requirements

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 | Brick, Wood, | Reinforced | | Other | |
|----------------|--------------|----------------|-------------|-------------|---------|
| Classification | and Other | Concrete/Steel | Tree Debris | Tree Debris | Total |
| Category 1 | 356 | - | 8,525 | 259,629 | 268,510 |

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.

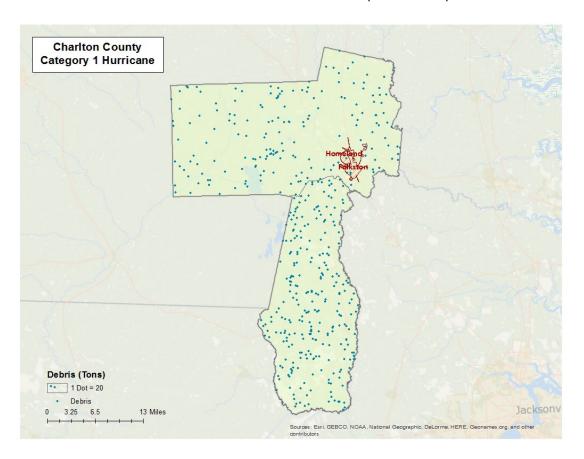


Figure 6: Wind-Related Debris Weight (Tons)

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 Charlton 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

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 December 2021. 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 Charlton 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 Charlton 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: Charlton County Riverine 1% Building Losses

| | • | T-4-1 | | <u> </u> | | | |
|----------------|----------------|-----------|----|------------------|----|----------------|--------------------|
| | | Total | | | | | |
| Occupancy | Total | Buildings | | Total | To | otal Losses to | Loss Ratio of |
| Classification | Buildings | Damaged | Вι | uilding Exposure | | Buildings | Exposed to Damaged |
| | | | | Folkston | | | |
| Residential | 814 | 1 | \$ | 102,123,204 | \$ | 34,015 | 0.03% |
| Industrial | 55 | 1 | \$ | 102,624,393 | \$ | 528 | 0.00% |
| Commercial | 164 | 1 | \$ | 85,451,963 | \$ | 483 | 0.00% |
| | | | | Homeland | | | |
| Residential | 385 | 2 | \$ | 27,225,940 | \$ | 18,569 | 0.07% |
| | Unincorporated | | | | | | |
| Residential | 3,447 | 93 | \$ | 311,151,039 | \$ | 1,854,356 | 0.60% |
| County Total | | | | | | | |
| Total | 4,865 | 98 | | 628,576,539 | | 1,907,951 | |

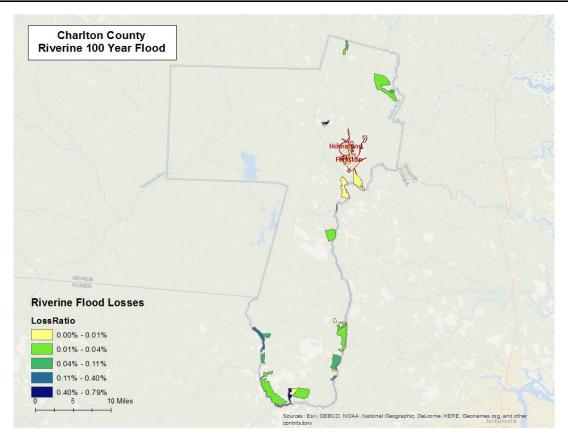


Figure 8: Potential UDF Loss Ratios from the 1% Riverine Flood

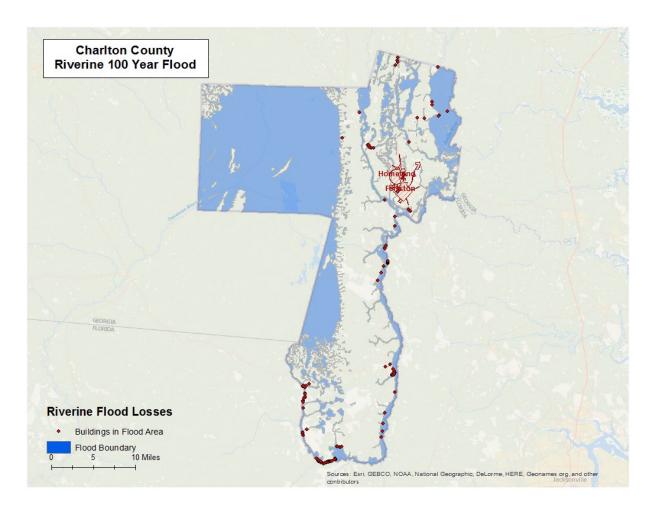


Figure 9: Damaged Buildings in 1% Riverine Flood

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 1 Essential Facilities subject to damage in the Charlton 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 | 8 | 0 | 0 | 0 |
| Hospitals | 3 | 0 | 0 | 0 |
| Police Stations | 4 | 0 | 0 | 0 |
| Schools | 6 | 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 332 households might be displaced due to the flood. Displacement includes households evacuated within or very near to the inundated area. Displaced households represent 997 individuals, of which 473 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).

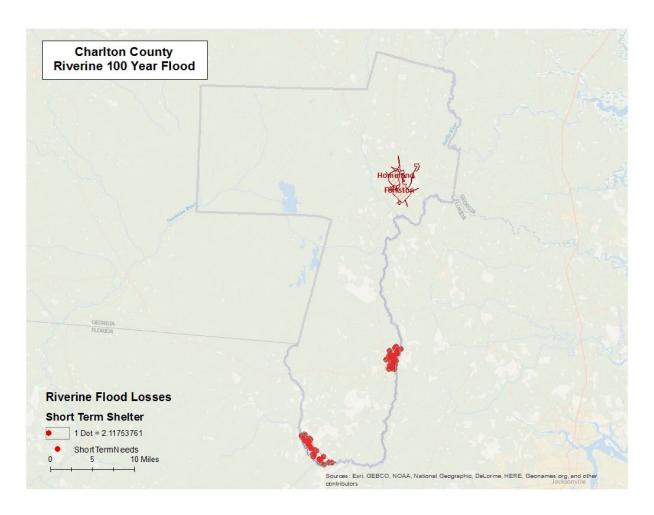


Figure 10: Estimated Flood Shelter Requirements in 1% Riverine Flood

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 3,925 tons of debris might be generated: 1) Finishes -1,343 tons; 2) Structural - 908 tons; and 3) Foundations- 1,674 tons. The results are mapped in Figure 11.

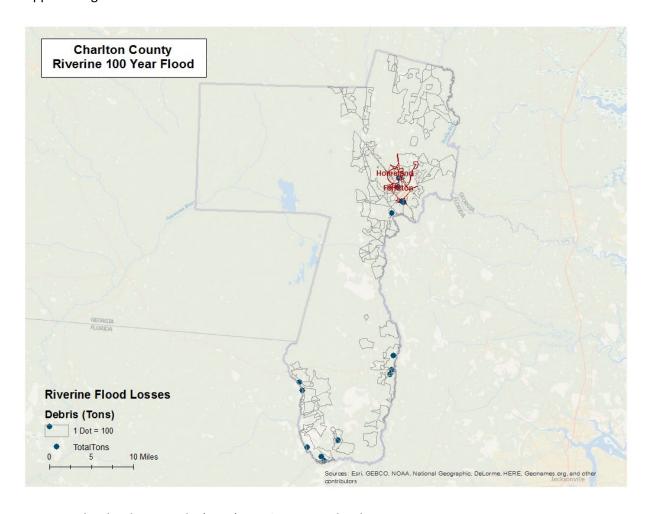


Figure 11: Flood Debris Weight (Tons) in 1% Riverine Flood

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 EFO 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 | Estimated | | | |
|--------------------|--------------|---------------|---------------|---|
| Number | Wind Speed | Path Width | Path Length | Description of Destruction |
| EFO Gale | 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 Moderate | 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 Significant | 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 Severe | 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 Devastating | 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 ncredible | 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 Folkston. 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 | | Maximum Expected |
|-----------------|-------------------|------------------|
| Scale | Path Width (feet) | 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.

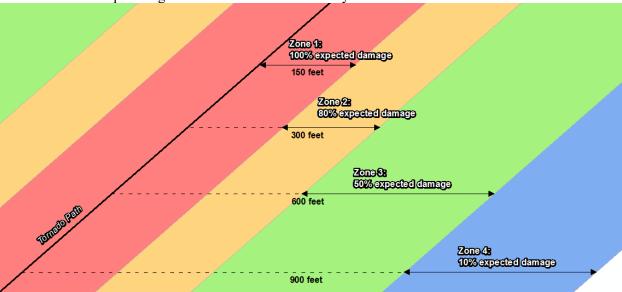


Figure 12: EF Scale Tornado Zones

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% |

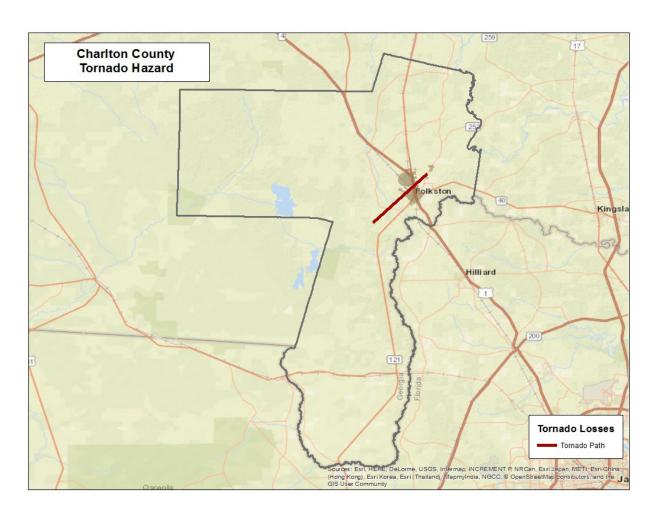


Figure 13: Hypothetical EF3 Tornado Path

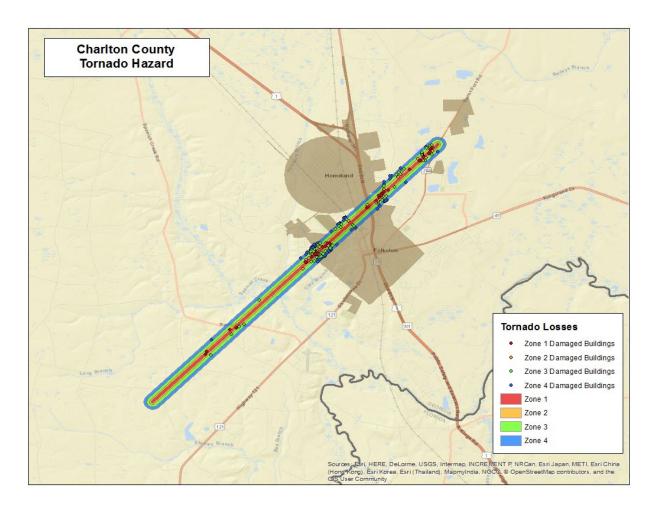


Figure 14: Modeled EF3 Tornado Damage Buffers

EF3 Tornado Building Damages

The analysis estimated that approximately 241 buildings could be damaged, with estimated building losses of approximately \$5.8 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 Charlton 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 | Buildings | | Building |
|----------------|-----------|----------------|-----------|
| Classification | Damaged | Damaged Losses | |
| Commerical | 2 | \$ | 67,422 |
| Religious | 1 | \$ | - |
| Residential | 238 | \$ | 5,742,201 |
| Total | 241 | \$ | 5,809,623 |

EF3 Tornado Essential Facility Damage

There were no essential facilities located within 900 feet of the modeled tornado path.

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

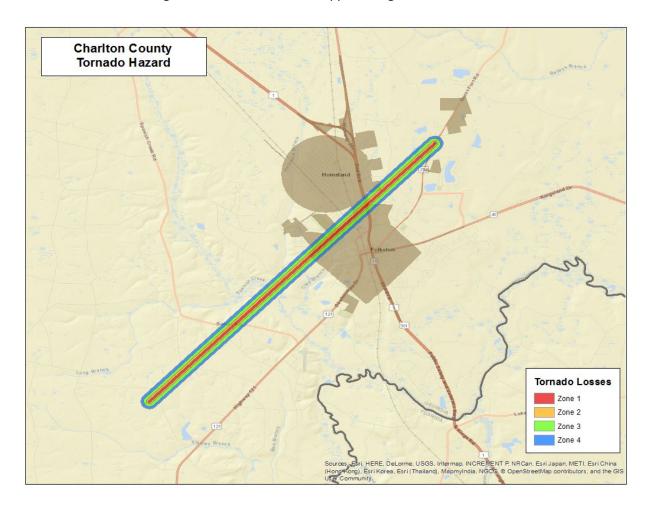


Figure 15: Modeled Essential Facility Damage in Charlton County

Exceptions Report

Hazus Version 2.2 SP1 was used to perform the loss estimates for Charlton 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 Charlton 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 Charlton County.

Table 15: Essential Facility Updates

| Occupancy | Occupancy Default | | Updated | | | | |
|----------------|-------------------|------------------|----------------------|----|------------------|----------------------|--|
| Classification | | Replacement Cost | Default Count | | Replacement Cost | Updated Count | |
| Care | \$ | 24,583,000 | 7 | \$ | 11,595,000 | 3 | |
| EOC | \$ | 880,000 | 1 | \$ | 880,000 | 1 | |
| Fire | \$ | 8,686,000 | 10 | \$ | 5,775,000 | 8 | |
| Police | \$ | 15,150,000 | 9 | \$ | 5,197,000 | 4 | |
| School | \$ | 61,761,000 | 9 | \$ | 574,542,000 | 6 | |

County Inventory Changes

The GBS records for Charlton County were replaced with data derived from parcel and property assessment data obtained from Charlton County. The county provided property assessment data was current as of December 2021 and the parcel data current as of December 2021.

General Building Stock Updates

The parcel boundaries and assessor records were obtained from Charlton 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 Charlton County was 99.1%.

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 Charlton County records.

Table 16: Building Inventory Default Adjustment Rates

| Type of Adjustment | Building Count | Percentage |
|----------------------|-----------------------|------------|
| Area Unknown | 559 | 11% |
| Construction Unknown | 554 | 11% |
| Condition Unknown | 265 | 5% |
| Foundation Unknown | 539 | 11% |
| Year Built Unknown | 245 | 5% |

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 Charlton 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

| rable 171 Banania Count and Exposure for Cou | ne, and n | 110007110 |
|--|-----------|---------------|
| Feature | Counts | Exposure |
| Total buildings in the County | 5,015 | \$759,976,718 |
| Total buildings inside the 1% Annual Chance | | |
| Riverine Flood Area | 175 | \$16,318,760 |
| | | |

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