

Appendix A

GEMA Worksheet #3a
Jurisdiction: Berrien County
Hazard: Floods

Inventory of Assets

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

Type of Structure (Occupancy Class)	Number of Structures			Value of Structures			Number of People		
	# in Community of State	# in Hazard Area	% in Hazard Area	\$ in Community or State	\$ in Hazard Area	% in Hazard Area	# in Community or State	# in Hazard Area	% in Hazard Area
Residential	7,025	660	9.395%	\$ 384,937,709	\$ 29,207,991	7.588%	18,986	1,784	9.395%
Commercial	501	108	21.557%	\$ 66,107,736	\$ 16,853,049	25.493%	0	0	0%
Industrial	13	1	7.692%	\$ 17,253,553	\$ 2,202,831		0	0	0%
Agricultural	3,331	682	20.474%	\$ 751,706,142	\$ 179,964,990	23.941%	0	0	0%
Religious/ Non-profit	177	29	16.384%	\$ 9,123,498	\$ 2,458,910	26.951%	0	0	0%
Government	171	29	16.959%	\$ 36,980,647	\$ 5,013,712	13.558%	0	0	0%
Education	11	3	27.273%	\$ 819,980	\$ 244,000	29.757%	0	0	0%
Utilities	0	0		\$ -	\$ -		0	0	0%
Total	11,229	1,512		\$ 1,266,929,265	\$ 235,945,483		18,986	1,784	

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

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

GEMA Worksheet #3a
Jurisdiction: Berrien County
Hazard: Thunderstorms/Wind

Inventory of Assets

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

Type of Structure (Occupancy Class)	Number of Structures			Value of Structures			Number of People		
	# in Community of State	# in Hazard Area	% in Hazard Area	\$ in Community or State	\$ in Hazard Area	% in Hazard Area	# in Community or State	# in Hazard Area	% in Hazard Area
Residential	7,025	7,025	100.000%	\$ 384,937,709	\$ 384,937,709	100.000%	18,986	18,986	100.000%
Commercial	501	501	100.000%	\$ 66,107,736	\$ 66,107,736	100.000%	0	0	0%
Industrial	13	13	100.000%	\$ 17,253,553	\$ 17,253,553		0	0	0%
Agricultural	3,331	3,331	100.000%	\$ 751,706,142	\$ 751,706,142	100.000%	0	0	0%
Religious/ Non-profit	177	177	100.000%	\$ 9,123,498	\$ 9,123,498	100.000%	0	0	0%
Government	171	171	100.000%	\$ 36,980,647	\$ 36,980,647	100.000%	0	0	0%
Education	11	11	100.000%	\$ 819,980	\$ 819,980	100.000%	0	0	0%
Utilities	0	0		\$ -	\$ -		0	0	0%
Total	11,229	11,229		\$ 1,266,929,265	\$ 1,266,929,265		18,986	18,986	

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

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

GEMA Worksheet #3a
Jurisdiction: Berrien County
Hazard: Hurricanes/Tropical Storms

Inventory of Assets

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

Type of Structure (Occupancy Class)	Number of Structures			Value of Structures			Number of People		
	# in Community of State	# in Hazard Area	% in Hazard Area	\$ in Community or State	\$ in Hazard Area	% in Hazard Area	# in Community or State	# in Hazard Area	% in Hazard Area
Residential	7,025	7,025	100.000%	\$ 384,937,709	\$ 384,937,709	100.000%	18,986	18,986	100.000%
Commercial	501	501	100.000%	\$ 66,107,736	\$ 66,107,736	100.000%	0	0	0%
Industrial	13	13	100.000%	\$ 17,253,553	\$ 17,253,553		0	0	0%
Agricultural	3,331	3,331	100.000%	\$ 751,706,142	\$ 751,706,142	100.000%	0	0	0%
Religious/ Non-profit	177	177	100.000%	\$ 9,123,498	\$ 9,123,498	100.000%	0	0	0%
Government	171	171	100.000%	\$ 36,980,647	\$ 36,980,647	100.000%	0	0	0%
Education	11	11	100.000%	\$ 819,980	\$ 819,980	100.000%	0	0	0%
Utilities	0	0		\$ -	\$ -		0	0	0%
Total	11,229	11,229		\$ 1,266,929,265	\$ 1,266,929,265		18,986	18,986	

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

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

GEMA Worksheet #3a
Jurisdiction: Berrien County
Hazard: Drought

Inventory of Assets

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

Type of Structure (Occupancy Class)	Number of Structures			Value of Structures			Number of People		
	# in Community of State	# in Hazard Area	% in Hazard Area	\$ in Community or State	\$ in Hazard Area	% in Hazard Area	# in Community or State	# in Hazard Area	% in Hazard Area
Residential	7,025	7,025	100.000%	\$ 384,937,709	\$ 384,937,709	100.000%	18,986	18,986	100.000%
Commercial	501	501	100.000%	\$ 66,107,736	\$ 66,107,736	100.000%	0	0	0%
Industrial	13	13	100.000%	\$ 17,253,553	\$ 17,253,553		0	0	0%
Agricultural	3,331	3,331	100.000%	\$ 751,706,142	\$ 751,706,142	100.000%	0	0	0%
Religious/ Non-profit	177	177	100.000%	\$ 9,123,498	\$ 9,123,498	100.000%	0	0	0%
Government	171	171	100.000%	\$ 36,980,647	\$ 36,980,647	100.000%	0	0	0%
Education	11	11	100.000%	\$ 819,980	\$ 819,980	100.000%	0	0	0%
Utilities	0	0		\$ -	\$ -		0	0	0%
Total	11,229	11,229		\$ 1,266,929,265	\$ 1,266,929,265		18,986	18,986	

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

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

GEMA Worksheet #3a
Jurisdiction: Berrien County
Hazard: Wildfires

Inventory of Assets

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

Type of Structure (Occupancy Class)	Number of Structures			Value of Structures			Number of People		
	# in Community of State	# in Hazard Area	% in Hazard Area	\$ in Community or State	\$ in Hazard Area	% in Hazard Area	# in Community or State	# in Hazard Area	% in Hazard Area
Residential	7,025	7,025	100.000%	\$ 384,937,709	\$ 384,937,709	100.000%	18,986	18,986	100.000%
Commercial	501	501	100.000%	\$ 66,107,736	\$ 66,107,736	100.000%	0	0	0%
Industrial	13	13	100.000%	\$ 17,253,553	\$ 17,253,553		0	0	0%
Agricultural	3,331	3,331	100.000%	\$ 751,706,142	\$ 751,706,142	100.000%	0	0	0%
Religious/ Non-profit	177	177	100.000%	\$ 9,123,498	\$ 9,123,498	100.000%	0	0	0%
Government	171	171	100.000%	\$ 36,980,647	\$ 36,980,647	100.000%	0	0	0%
Education	11	11	100.000%	\$ 819,980	\$ 819,980	100.000%	0	0	0%
Utilities	0	0		\$ -	\$ -		0	0	0%
Total	11,229	11,229		\$ 1,266,929,265	\$ 1,266,929,265		18,986	18,986	

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

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

GEMA Worksheet #3a
Jurisdiction: Berrien County
Hazard: Hail

Inventory of Assets

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

Type of Structure (Occupancy Class)	Number of Structures			Value of Structures			Number of People		
	# in Community of State	# in Hazard Area	% in Hazard Area	\$ in Community or State	\$ in Hazard Area	% in Hazard Area	# in Community or State	# in Hazard Area	% in Hazard Area
Residential	7,025	7,025	100.000%	\$ 384,937,709	\$ 384,937,709	100.000%	18,986	18,986	100.000%
Commercial	501	501	100.000%	\$ 66,107,736	\$ 66,107,736	100.000%	0	0	0%
Industrial	13	13	100.000%	\$ 17,253,553	\$ 17,253,553		0	0	0%
Agricultural	3,331	3,331	100.000%	\$ 751,706,142	\$ 751,706,142	100.000%	0	0	0%
Religious/ Non-profit	177	177	100.000%	\$ 9,123,498	\$ 9,123,498	100.000%	0	0	0%
Government	171	171	100.000%	\$ 36,980,647	\$ 36,980,647	100.000%	0	0	0%
Education	11	11	100.000%	\$ 819,980	\$ 819,980	100.000%	0	0	0%
Utilities	0	0		\$ -	\$ -		0	0	0%
Total	11,229	11,229		\$ 1,266,929,265	\$ 1,266,929,265		18,986	18,986	

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

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

GEMA Worksheet #3a
Jurisdiction: Berrien County
Hazard: Tornadoes

Inventory of Assets

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

Type of Structure (Occupancy Class)	Number of Structures			Value of Structures			Number of People		
	# in Community of State	# in Hazard Area	% in Hazard Area	\$ in Community or State	\$ in Hazard Area	% in Hazard Area	# in Community or State	# in Hazard Area	% in Hazard Area
Residential	7,025	7,025	100.000%	\$ 384,937,709	\$ 384,937,709	100.000%	18,986	18,986	100.000%
Commercial	501	501	100.000%	\$ 66,107,736	\$ 66,107,736	100.000%	0	0	0%
Industrial	13	13	100.000%	\$ 17,253,553	\$ 17,253,553		0	0	0%
Agricultural	3,331	3,331	100.000%	\$ 751,706,142	\$ 751,706,142	100.000%	0	0	0%
Religious/ Non-profit	177	177	100.000%	\$ 9,123,498	\$ 9,123,498	100.000%	0	0	0%
Government	171	171	100.000%	\$ 36,980,647	\$ 36,980,647	100.000%	0	0	0%
Education	11	11	100.000%	\$ 819,980	\$ 819,980	100.000%	0	0	0%
Utilities	0	0		\$ -	\$ -		0	0	0%
Total	11,229	11,229		\$ 1,266,929,265	\$ 1,266,929,265		18,986	18,986	

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

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

GEMA Worksheet #3a
Jurisdiction: Berrien County
Hazard: Severe Winter Storms

Inventory of Assets

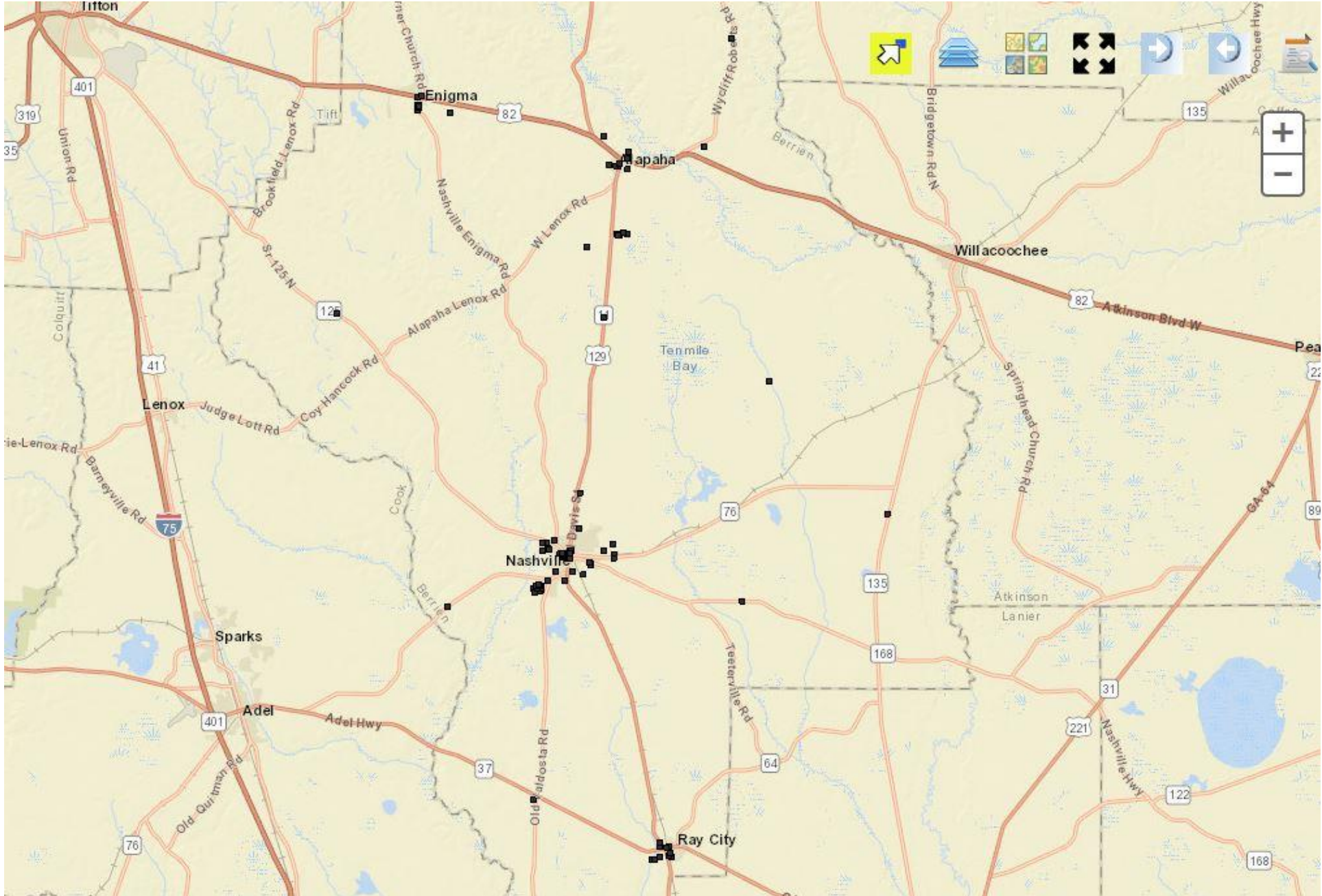
Task A. Determine the proportion of buildings, the value of buildings, and the population in your community or state that are located in hazard areas.

Type of Structure (Occupancy Class)	Number of Structures			Value of Structures			Number of People		
	# in Community of State	# in Hazard Area	% in Hazard Area	\$ in Community or State	\$ in Hazard Area	% in Hazard Area	# in Community or State	# in Hazard Area	% in Hazard Area
Residential	7,025	7,025	100.000%	\$ 384,937,709	\$ 384,937,709	100.000%	18,986	18,986	100.000%
Commercial	501	501	100.000%	\$ 66,107,736	\$ 66,107,736	100.000%	0	0	0%
Industrial	13	13	100.000%	\$ 17,253,553	\$ 17,253,553		0	0	0%
Agricultural	3,331	3,331	100.000%	\$ 751,706,142	\$ 751,706,142	100.000%	0	0	0%
Religious/ Non-profit	177	177	100.000%	\$ 9,123,498	\$ 9,123,498	100.000%	0	0	0%
Government	171	171	100.000%	\$ 36,980,647	\$ 36,980,647	100.000%	0	0	0%
Education	11	11	100.000%	\$ 819,980	\$ 819,980	100.000%	0	0	0%
Utilities	0	0		\$ -	\$ -		0	0	0%
Total	11,229	11,229		\$ 1,266,929,265	\$ 1,266,929,265		18,986	18,986	

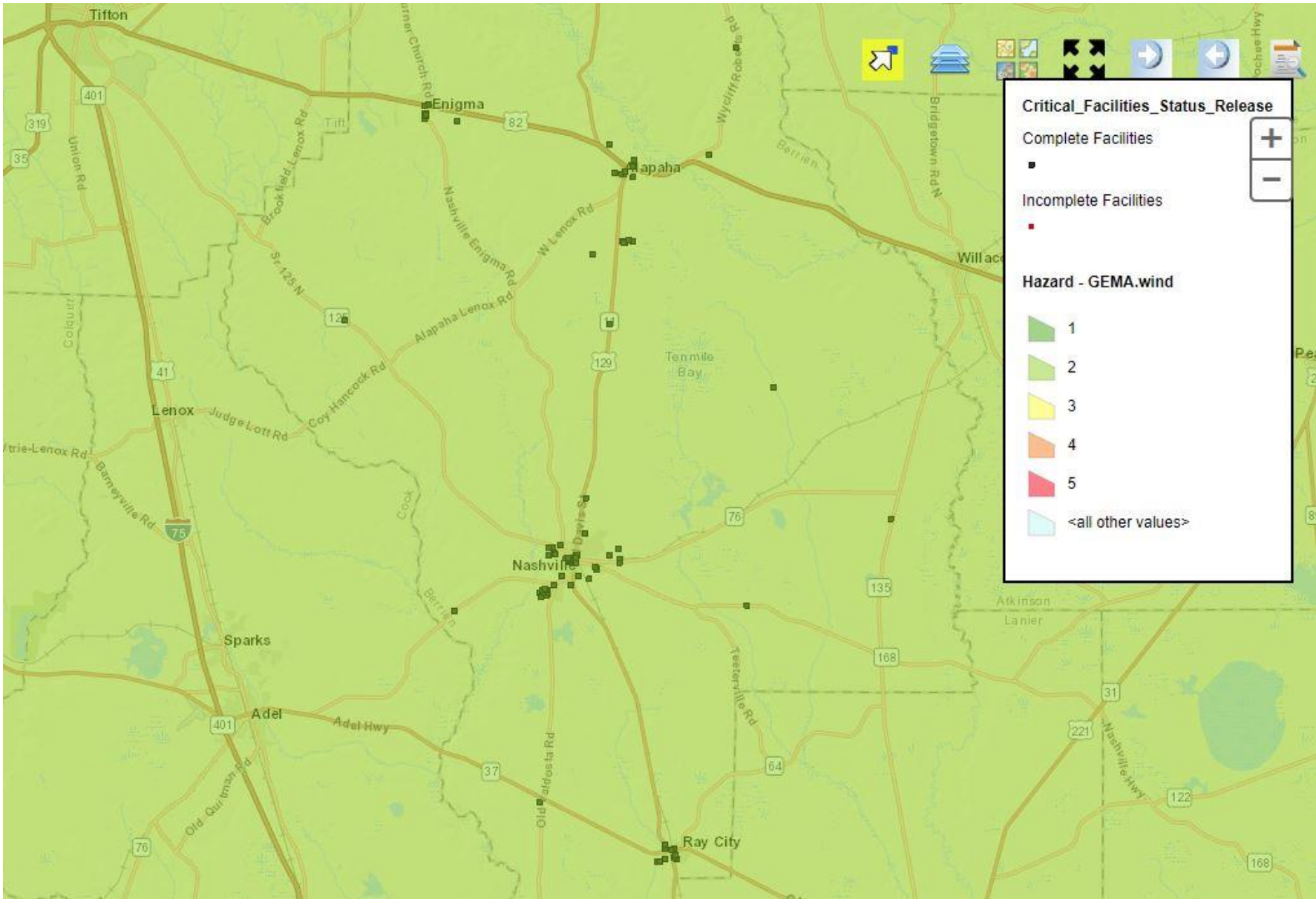
Task B. Determine whether (and where) you want to collect additional inventory data.

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

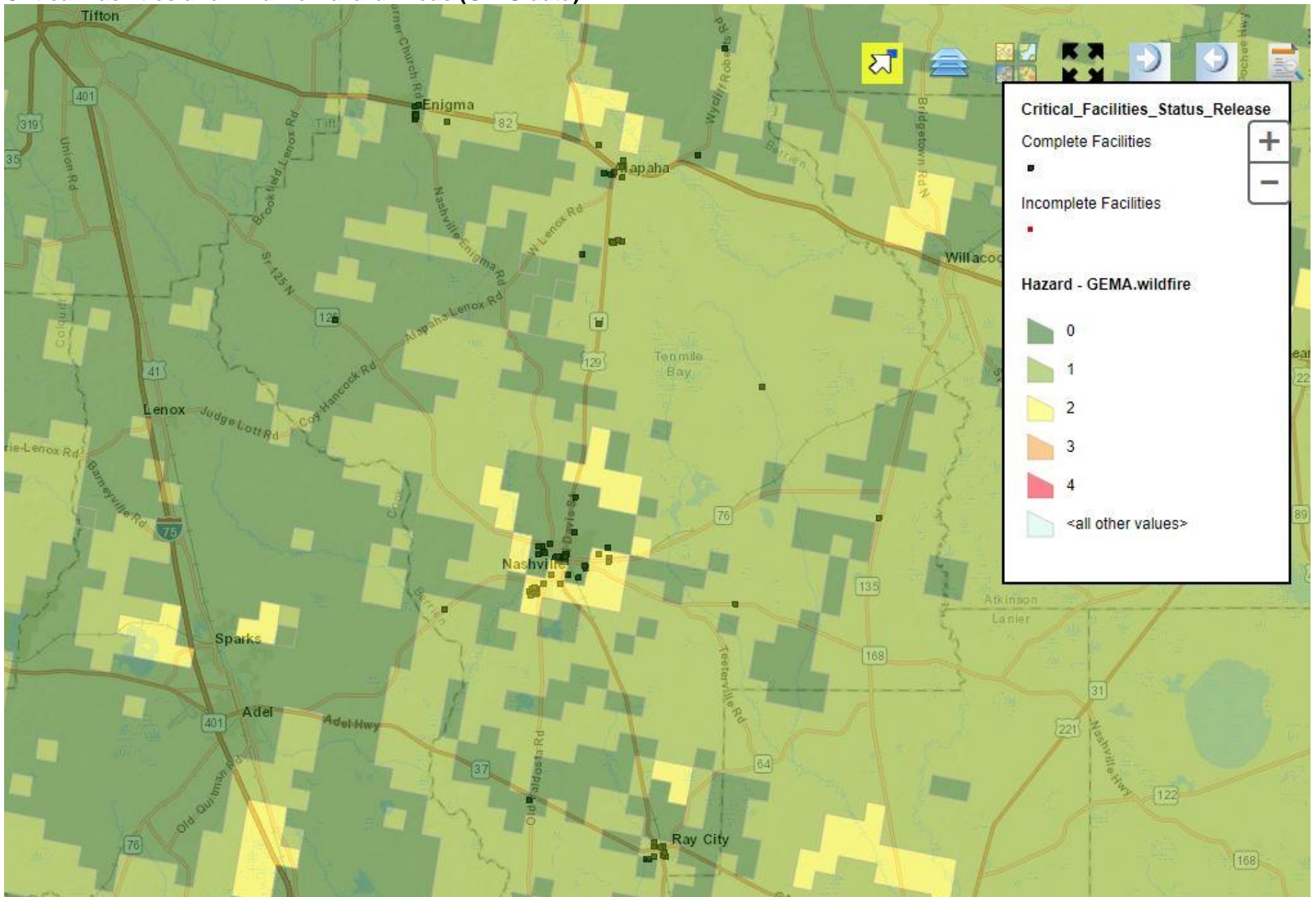
Critical Facilities and Hazard Potential for Hazards Affecting the Entire Community (Hurricanes/Tropical Storms, Tornadoes, Thunderstorms/Wind, Hail, Drought, Severe Winter Storms)



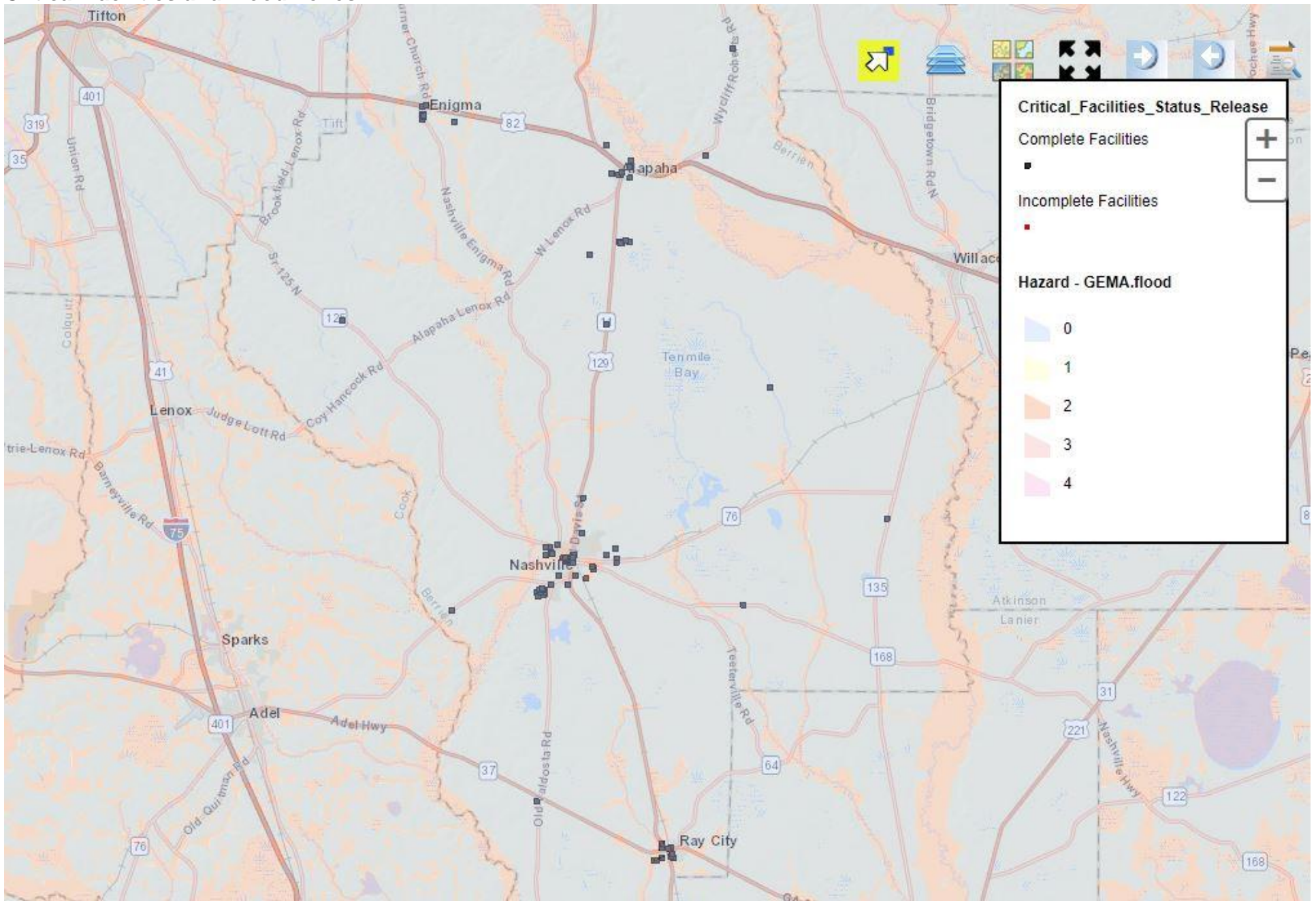
Critical Facilities and Wind Zones



Critical Facilities and Wildfire Hazard Areas (GMIS data)



Critical Facilities and Flood Zones

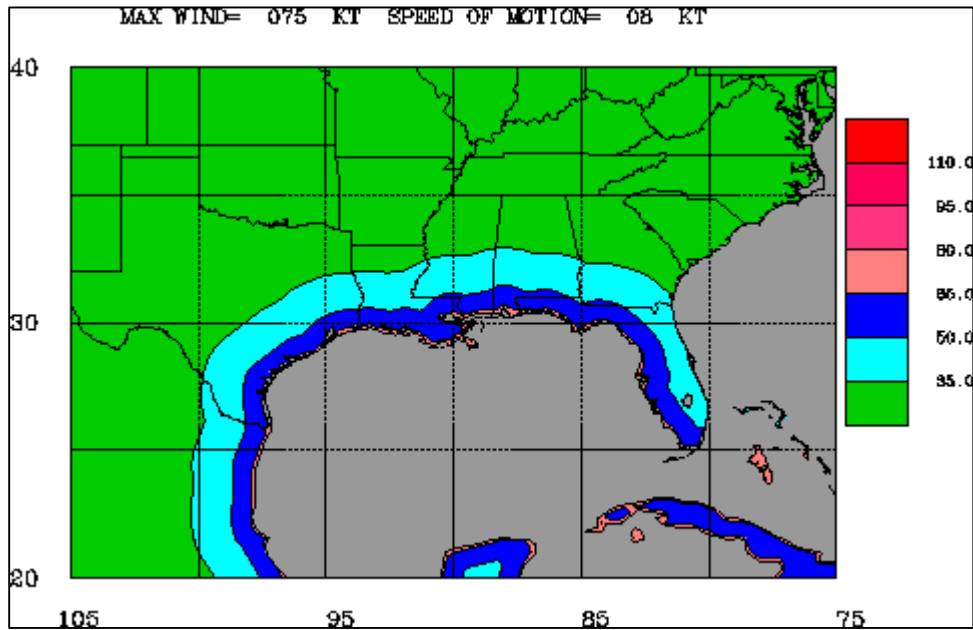


Examples of the Maximum Envelope of Wind

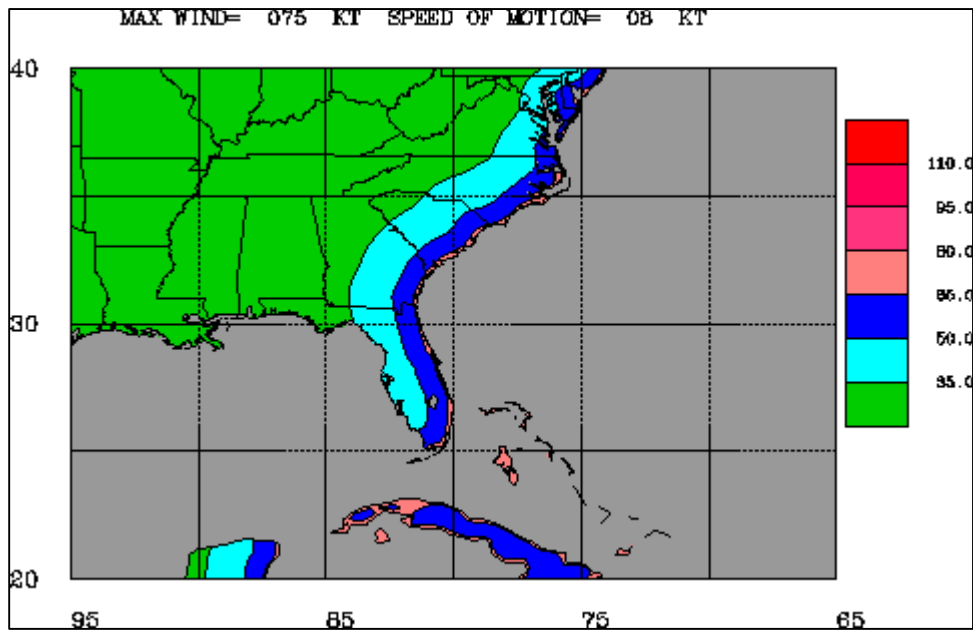
(Source: NOAA. <http://www.nhc.noaa.gov/aboutmeow.shtml>)

Mild case (Category 1, 8 knots forward motion)

Gulf Coast Region



East Coast Region

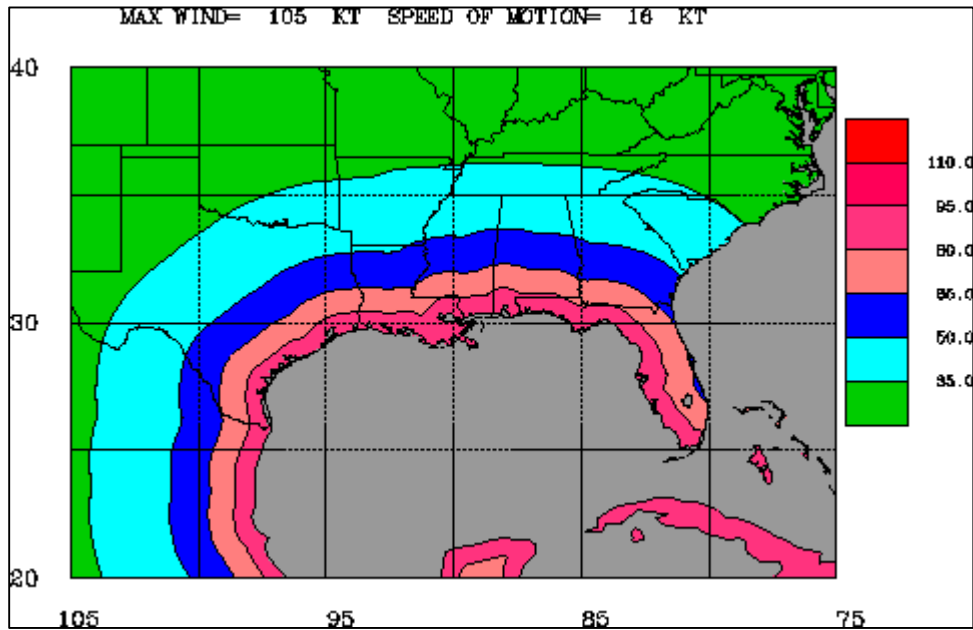


Examples of the Maximum Envelope of Wind

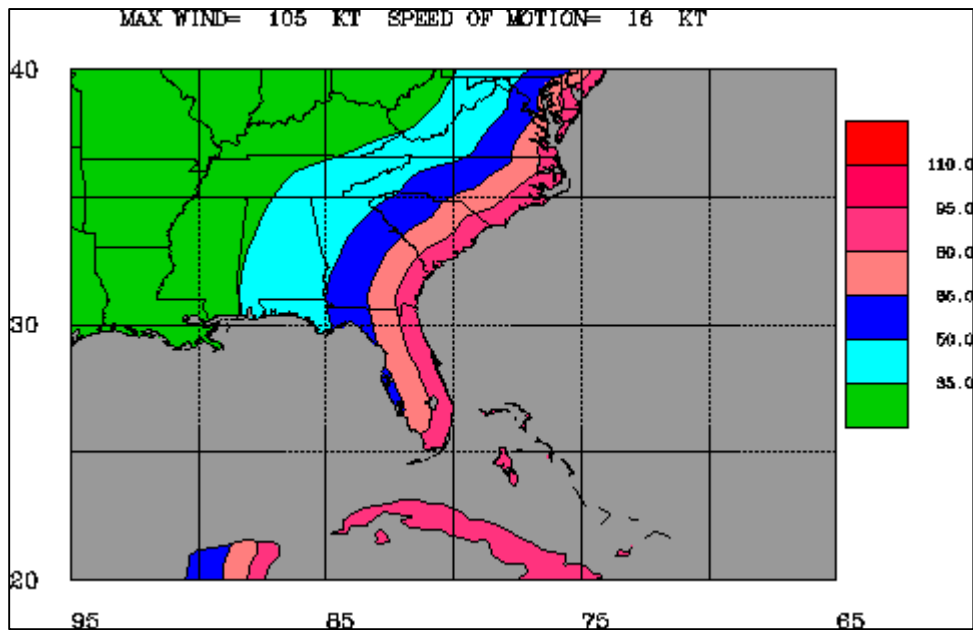
(Source: NOAA. <http://www.nhc.noaa.gov/aboutmeow.shtml>)

Mid-range case (Category 3, 16 knots forward motion)

Gulf Coast Region



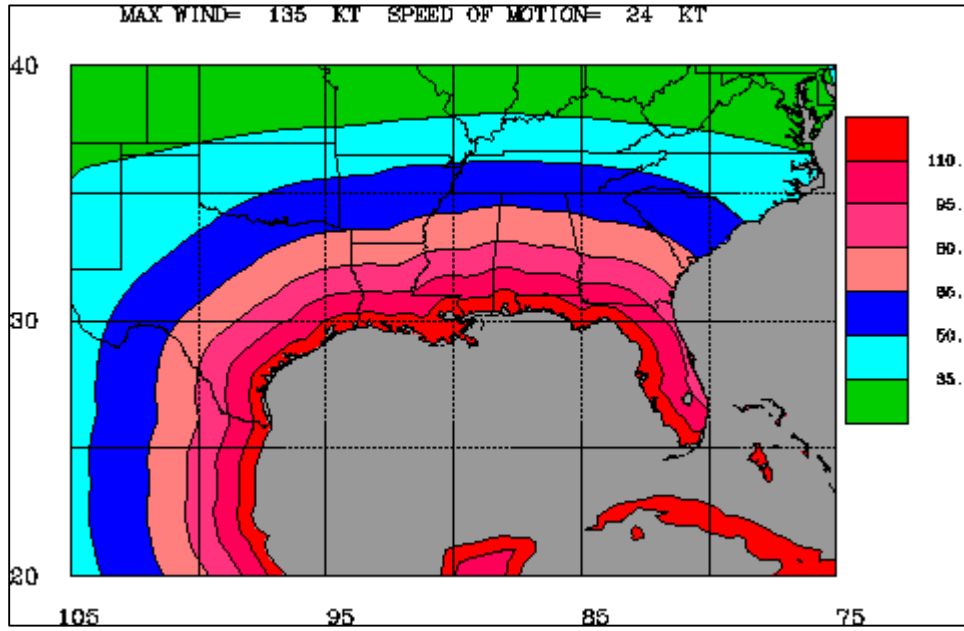
East Coast Region



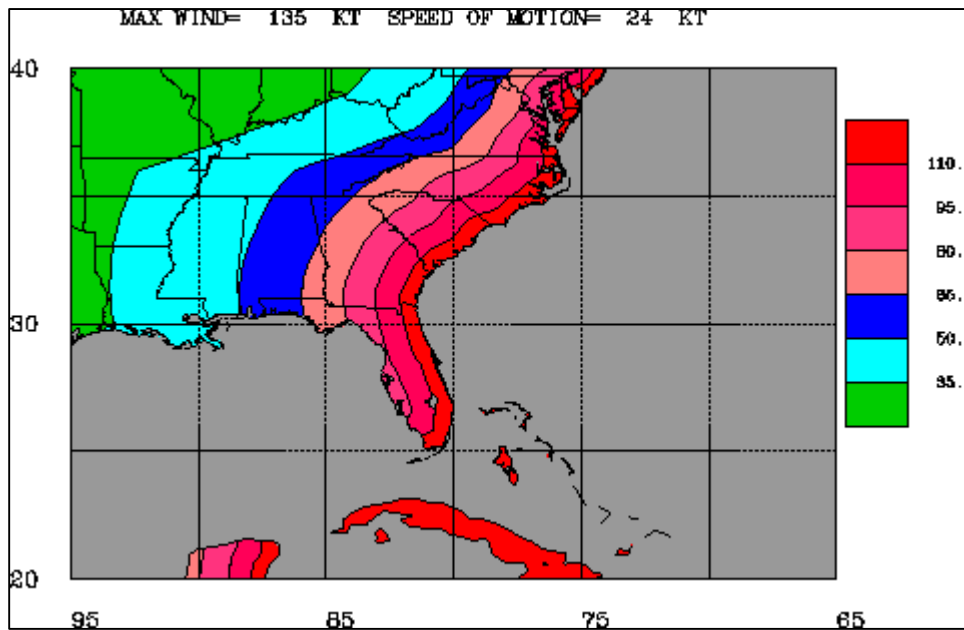
Examples of the Maximum Envelope of Wind
(Source: NOAA. <http://www.nhc.noaa.gov/aboutmeow.shtml>)

Worst case (Category 5, 24 knots forward motion)

Gulf Coast Region



East Coast Region



Legend

Tornado Tracks

EF5

EF5 Tornado



EF5 Tornado Track



EF4

EF4 Tornado



EF4 Tornado Track



EF3

EF3 Tornado



EF3 Tornado Track



EF2

EF2 Tornado



EF2 Tornado Track



EF1

EF1 Tornado



EF1 Tornado Track

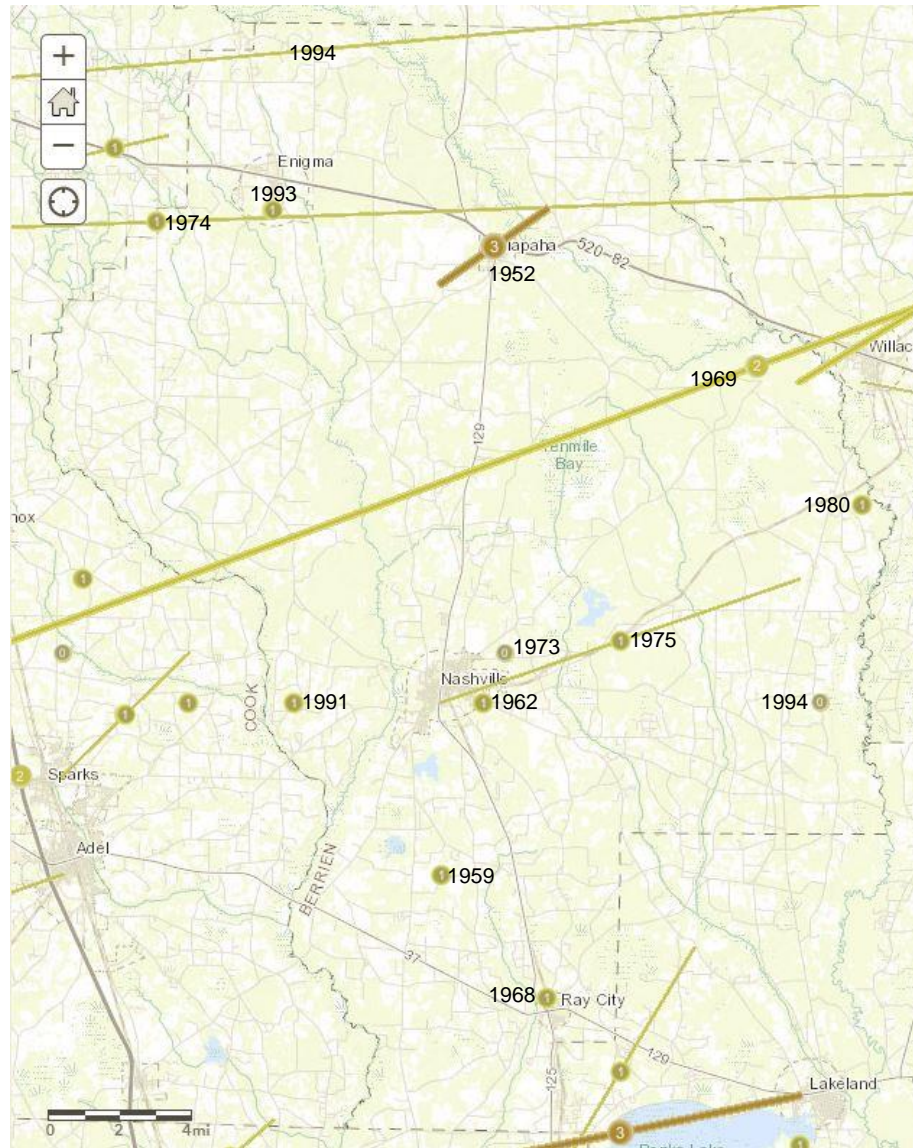


EF0

EF0 Tornado



EF0 Tornado Track



Data source:

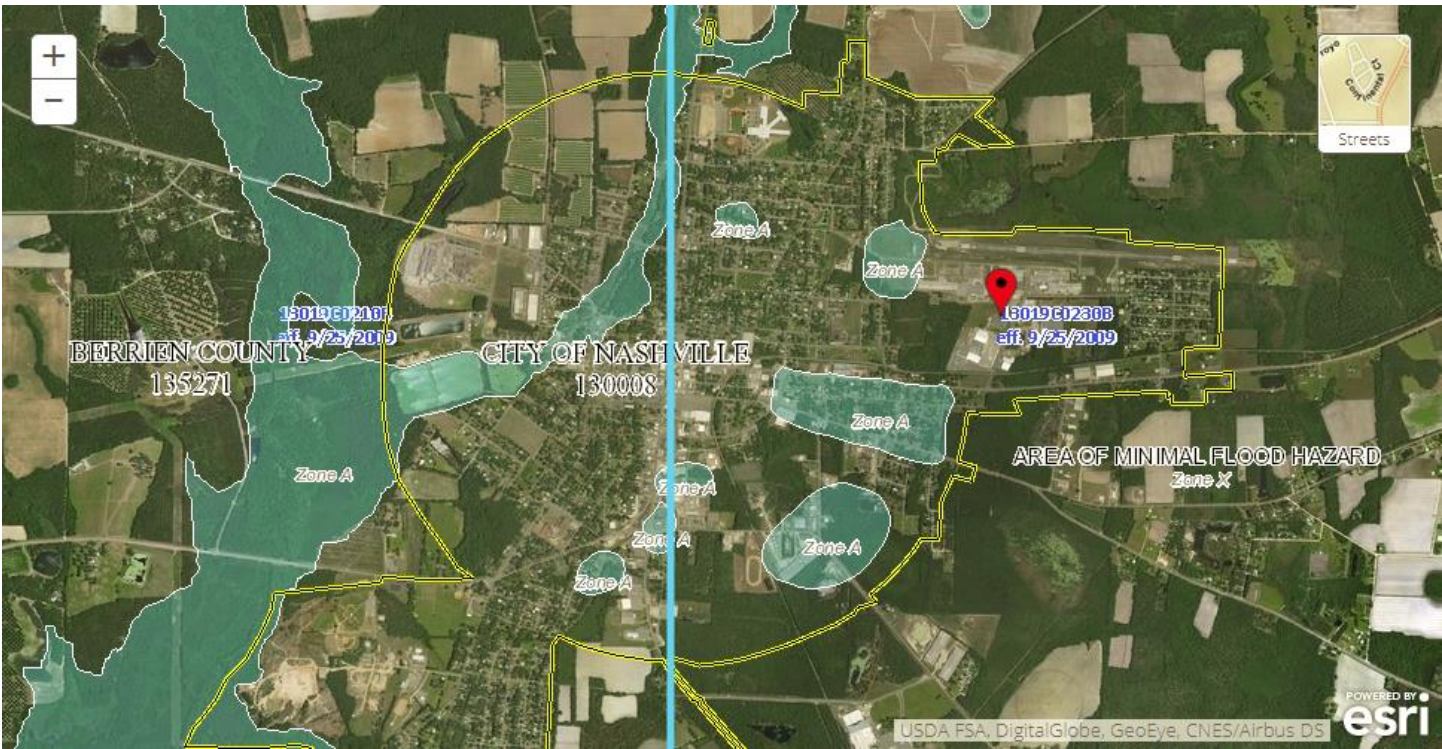
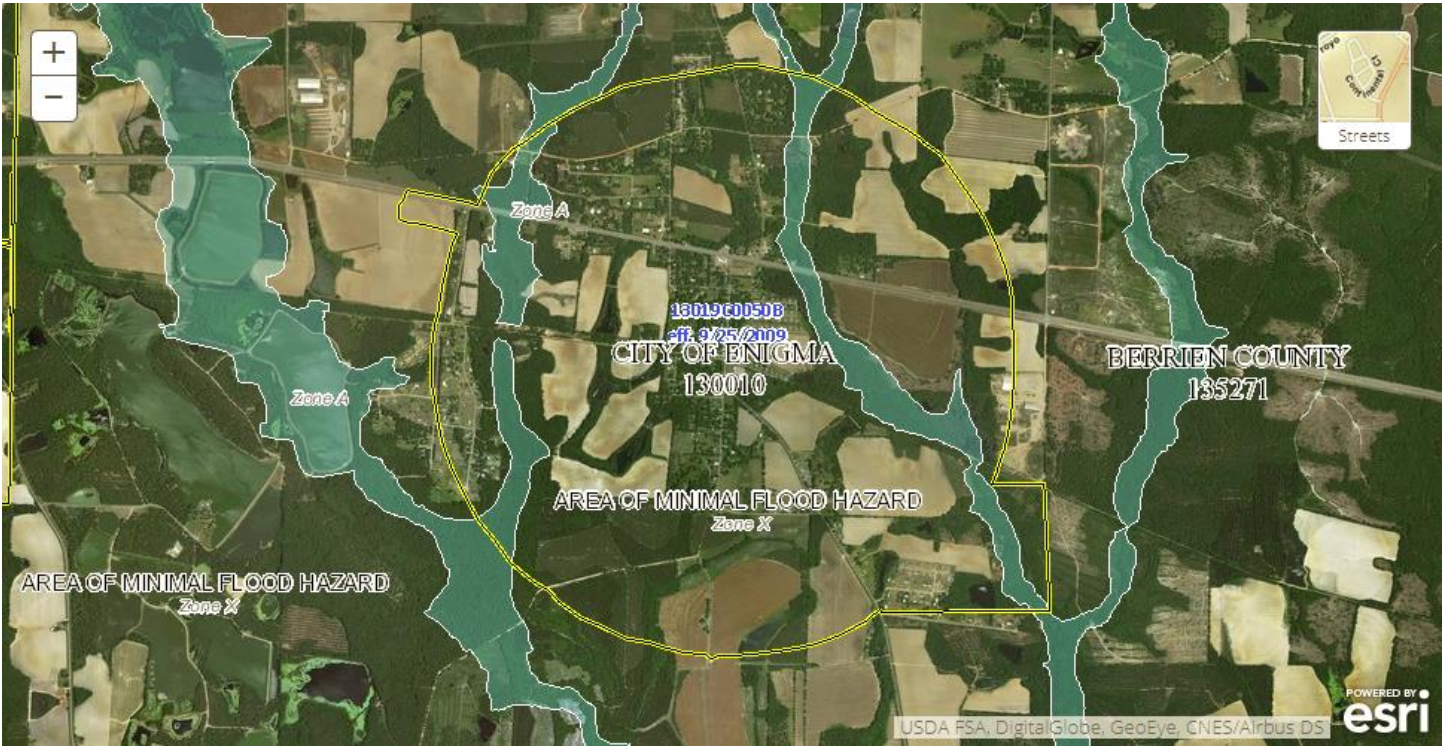
<https://www.arcgis.com/home/webmap/viewer.html?useExisting=1&layers=ae96a522f2824552b20cdcf53a30d3c1>

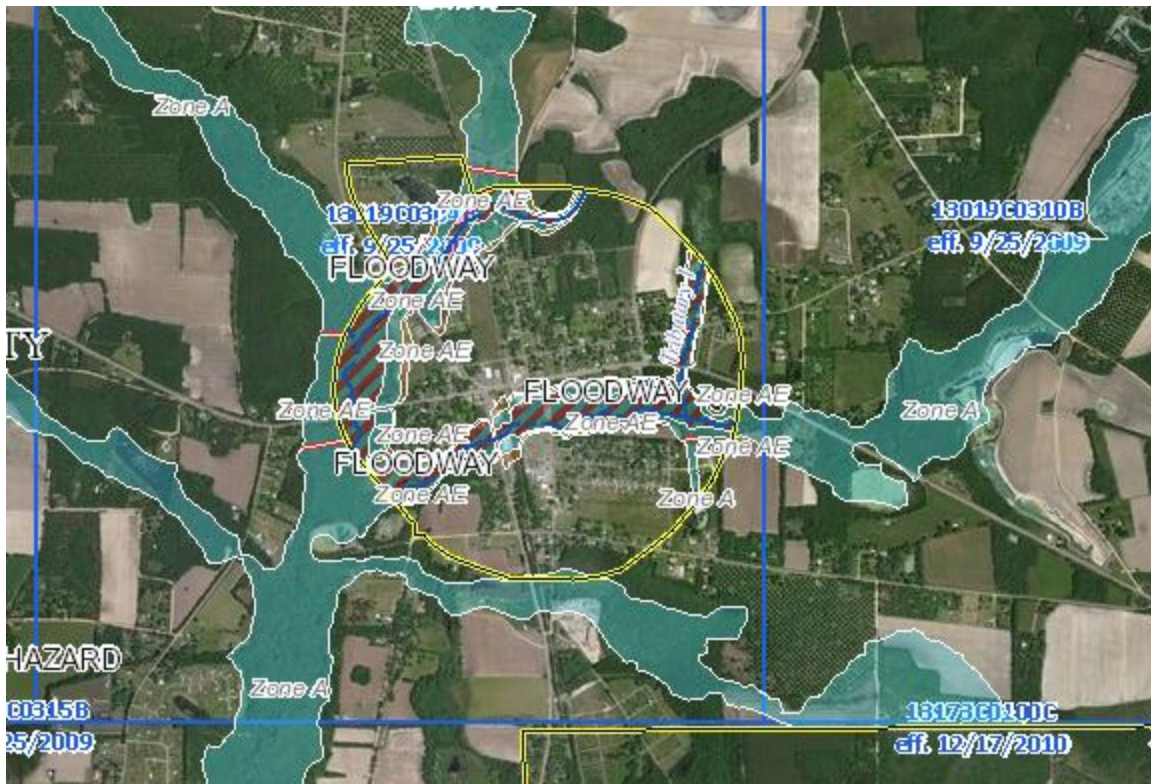
These map layers, derived from National Oceanic and Atmospheric Administration data, portray tornadoes and available tracks from 1950 to 2014

Map Image Layer
by Federal_User_Community

Last Modified: June 12, 2018







Source:

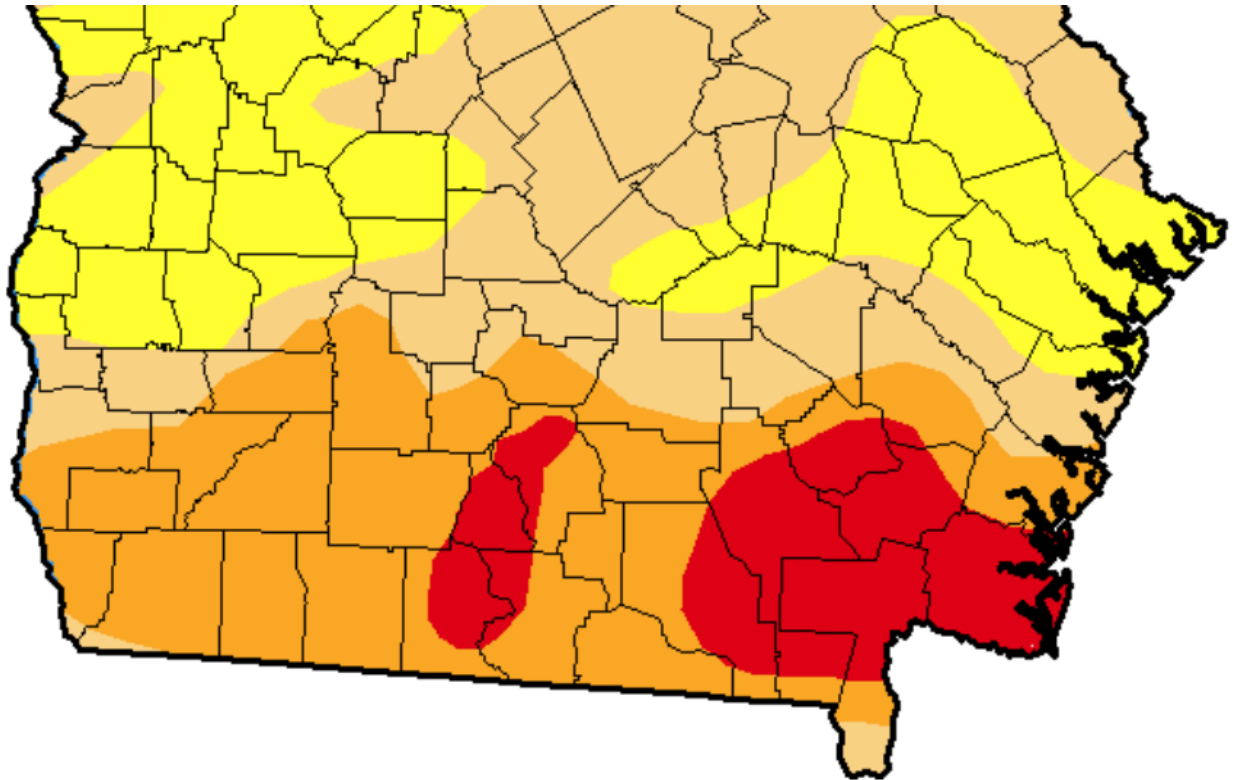
<https://msc.fema.gov/portal/search?AddressQuery=waycross%2C%20ga#searchresultsanchor>

Drought



The example map below, from the week of May 16, 2017, shows moderate to extreme drought conditions throughout southern Georgia.




Source: U.S. Drought Monitor

<http://droughtmonitor.unl.edu/Maps/ComparisonSlider.aspx>



Drought Classification

 None  D0 (Abnormally Dry)  D1 (Moderate Drought)

 D2 (Severe Drought)  D3 (Extreme Drought)  D4 (Exceptional Drought)

Appendix B

QuickFacts
Berrien County, Georgia

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

Table

All Topics

Berrien County,
 Georgia

Population estimates, July 1, 2017, (V2017)

19,186

PEOPLE

Population

Population estimates, July 1, 2017, (V2017)

19,186

Population estimates, July 1, 2016, (V2016)

18,993

Population estimates base, April 1, 2010, (V2017)

19,286

Population estimates base, April 1, 2010, (V2016)

19,286

Population, percent change - April 1, 2010 (estimates base) to July 1, 2017, (V2017)

-0.5%

Population, percent change - April 1, 2010 (estimates base) to July 1, 2016, (V2016)

-1.5%

Population, Census, April 1, 2010

19,286

Age and Sex

Persons under 5 years, percent

6.3%

Persons under 18 years, percent

24.5%

Persons 65 years and over, percent

16.8%

Female persons, percent

50.6%

Race and Hispanic Origin

White alone, percent (a)

86.7%

Black or African American alone, percent (a)

10.6%

American Indian and Alaska Native alone, percent (a)

0.4%

Asian alone, percent (a)

1.1%

Native Hawaiian and Other Pacific Islander alone, percent (a)

0.1%

Two or More Races, percent

1.2%

Hispanic or Latino, percent (b)

5.1%

White alone, not Hispanic or Latino, percent

82.3%

Population Characteristics

Veterans, 2012-2016

1,267

Foreign born persons, percent, 2012-2016

3.1%

Housing

Housing units, July 1, 2017, (V2017)

8,774

Owner-occupied housing unit rate, 2012-2016

71.2%

Median value of owner-occupied housing units, 2012-2016

\$82,300

Median selected monthly owner costs -with a mortgage, 2012-2016

\$912

Median selected monthly owner costs -without a mortgage, 2012-2016

\$318

Median gross rent, 2012-2016

\$580

Building permits, 2017

46

Families & Living Arrangements

Households, 2012-2016

7,108

Persons per household, 2012-2016

2.65

Living in same house 1 year ago, percent of persons age 1 year+, 2012-2016

89.1%

Language other than English spoken at home, percent of persons age 5 years+, 2012-2016

5.8%

Education

High school graduate or higher, percent of persons age 25 years+, 2012-2016

80.3%

Bachelor's degree or higher, percent of persons age 25 years+, 2012-2016

12.3%

Health

With a disability, under age 65 years, percent, 2012-2016

15.3%

Persons without health insurance, under age 65 years, percent

17.1%

Economy

In civilian labor force, total, percent of population age 16 years+, 2012-2016

51.1%

In civilian labor force, female, percent of population age 16 years+, 2012-2016

44.6%

Total accommodation and food services sales, 2012 (\$1,000) (c)

10,236

Is this page helpful?

Yes No

51.1%
 44.6%
 10,236

Total health care and social assistance receipts/revenue, 2012 (\$1,000) (c)	19,281
Total manufacturers shipments, 2012 (\$1,000) (c)	453,403
Total merchant wholesaler sales, 2012 (\$1,000) (c)	58,456
Total retail sales, 2012 (\$1,000) (c)	127,067
Total retail sales per capita, 2012 (c)	\$6,673
Transportation	
Mean travel time to work (minutes), workers age 16 years+, 2012-2016	24.1
Income & Poverty	
Median household income (in 2016 dollars), 2012-2016	\$35,740
Per capita income in past 12 months (in 2016 dollars), 2012-2016	\$17,007
Persons in poverty, percent	▲ 22.3%

BUSINESSES

Businesses

Total employer establishments, 2016	248
Total employment, 2016	3,271
Total annual payroll, 2016 (\$1,000)	99,607
Total employment, percent change, 2015-2016	-15.8%
Total nonemployer establishments, 2015	1,087
All firms, 2012	1,197
Men-owned firms, 2012	592
Women-owned firms, 2012	510
Minority-owned firms, 2012	127
Nonminority-owned firms, 2012	1,038
Veteran-owned firms, 2012	190
Nonveteran-owned firms, 2012	952

GEOGRAPHY

Geography

Population per square mile, 2010	42.7
Land area in square miles, 2010	451.90
FIPS Code	13019



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[Home](#)

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Home» Local Government Services Online Programs» Tax Digest Consolidated Summary

[Return](#)

GEORGIA DEPARTMENT OF REVENUE Local Government Services Division County Digest Section	2017 TAX DIGEST CONSOLIDATED SUMMARY
--	---

County:BERRIEN County #:010 Tax District:BERRIEN COUNTY

Dist #: 00 Assessment %: 040 Tot Parcels:9867

RESIDENTIAL				UTILITY			
Code	Count	Acres	40% Value	Code	Count	Acres	40% Value
R1	8,938		116,782,327	U1	0		0
R3	3,029	2,101.81	7,125,516	U2	29	0	17,142,532
R4	3,898	13,728.28	21,000,699	U3	0	0	0
R5	10	178.11	155,526	U4	0	0	0
R6	10,815		6,146,697	U5	0	0	0
R7	0	0	0	U7	0	0	0
R9	0	0	0	U9	0	0	0
RA	5		54,400	UA	0		0
RB	27		127,630	UB	0		0
RF	0		0	UF	0		0
RI	0		0	UZ	0		0
RZ	0		0				
RESIDENTIAL TRANSITIONAL				EXEMPT PROPERTY			
Code	Count	Acres	40% Value	Code	Count	40% Value	
T1	0		0	E0	8	207,346	
T3	0	0	0	E1	347	8,696,452	
T4	0	0	0	E2	250	2,806,369	
HISTORIC				E3	9	136,892	
Code	Count	Acres	40% Value	E4	21	80,666	
H1	0		0	E5	14	669,326	
H3	0	0	0	E6	23	342,003	
AGRICULTURAL				E7	0	0	
Code	Count	Acres	40% Value	E8	0	0	
A1	1,585		25,390,924	E9	4	22,115	
A3	4	15.16	19,445				
A4	245	1,530.6	1,657,066	TOTAL	676	12,961,169	
A5	599	19,770.25	10,296,749	HOMESTEAD AND PROPERTY EXEMPTIONS			
A6	4,302		6,063,095	Code	Count	M&O	Bond
A7	0	0	0	S1	2,576	5,148,988	0
A9	0	0	0	SC	75	150,000	0
AA	0		0	S2	0	0	0
AB	2		8,200	S3	32	64,000	0
AF	1		24,134	S4	716	2,849,137	0
AI	1		7,812	S5	78	3,082,670	0
AZ	0		0	SD	1	48,411	0
PREFERENTIAL				SS	5	201,162	0
Code	Count	Acres	40% Value	SE	0	0	0
				SG	0	0	0

P3	0	0	0	S6	0	0	0
P4	0	0	0	S7	0	0	0
P5	2	587	323,855	S8	0	0	0
P6	1		2,263	S9	0	0	0
P7	0	0	0	SF	13	18,781,372	0
P9	0	0	0	SA	2	80,964	0

CONSERVATION USE

Code	Count	Acres	40% Value
V3	18	1,009.9	573,693
V4	442	8,118.59	6,847,057
V5	1,506	187,689.51	101,809,664
V6	3		10,734

BROWNFIELD PROPERTY

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

FOREST LAND CONSERVATION USE

Code	Count	Acres	40% Value
J3	0	0	0
J4	1	10	7,500
J5	54	39,979.15	16,356,800
J9	0	0	0

FLPA FAIR MARKET ASSMT

Code	Count	Acres	40% Value
F3	0	0	0
F4	1	10	7,500
F5	54	39,979.15	16,883,487
F9	0	0	0

Total 55 39,989.15 16,890,987

ENVIRONMENTALLY SENSITIVE

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

COMMERCIAL

Code	Count	Acres	40% Value
C1	1,185		20,339,060
C3	380	345.95	2,385,920
C4	102	420.5	781,811
C5	6	284.91	247,047
C7	0	0	0
C9	5	6.02	4,267
CA	2		48,400
CB	0		0
CF	281		12,346,628
CI	142		12,374,747
CP	12		18,775,852
CZ	3		26,572

INDUSTRIAL

Code	Count	Acres	40% Value
I1	72		5,693,834
I3	9	216.1	182,132
I4	3	65.12	65,524
I5	0	0	0

SB	0	0	0
SP	28	45,487	0
SH	0	0	0
ST	0	0	0
SV	1,966	65,124,302	0
SJ	55	9,204,861	0
SW	0	0	0
SX	0	0	0
SN	0	0	0

DO NOT USE CODES L1-L9 ON STATE SHEET

L1	0	0	0
L2	0	0	0
L3	0	0	0
L4	0	0	0
L5	0	0	0
L6	0	0	0
L7	0	0	0
L8	0	0	0
L9	0	0	0

TOTAL 5,547 104,781,354 0

SUMMARY

Code	Count	Acres	40% Value
Residential	26,722	16,008.2	151,392,795
Residential Transitional	0	0	0
Historical	0	0	0
Agricultural	6,739	21,316.01	43,467,425
Preferential	3	587	326,118
Conservation Use	1,969	196,818	109,241,148
Brownfield Property	0	0	0
Forest Land Cons Use	55	39,989.15	16,364,300
Environmentally Sensitive	0	0	0
Commercial	2,118	1,057.38	67,330,304
Industrial	88	281.22	5,996,151
Utility	29	0	17,142,532
Motor Vehicle	11,488		15,752,250
Mobile Home	2,576		6,419,732
Timber 100%	108	15,418.39	8,486,368
Heavy Equipment	0		0
Gross Digest	51,895	291,475.35	441,919,123
Exemptions Bond			0
Net Bond Digest			441,919,123
Gross Digest	51,895	291,475.35	441,919,123
Exemptions-M&O			104,781,354
Net M&O Digest			337,137,769

					TAX LEVIED		
				TYPE	ASSESSED VALUE	MILLAGE	TAX
I7	0	0	0				
I9	0	0	0				
IA	0		0				
IB	0		0	M & O	337,137,769	.000	0.00
IF	2	13,893		BOND	441,919,123	.000	0.00
II	1	35,248					
IP	1	5,520					
IZ	0		0				

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Home» Local Government Services Online Programs» Tax Digest Consolidated Summary

[Return](#)

GEORGIA DEPARTMENT OF REVENUE Local Government Services Division County Digest Section	2017 TAX DIGEST CONSOLIDATED SUMMARY
---	---

County:BERRIEN County #:010 Tax District:ALAPAHA

Dist #: 05 Assessment %: 040 Tot Parcels:357

RESIDENTIAL				UTILITY				
Code	Count	Acres	40% Value	Code	Count	Acres	40% Value	
R1	310		3,350,098	U1	0		0	
R3	301	215.28	448,602	U2	4	0	463,266	
R4	9	28.62	41,283	U3	0	0	0	
R5	0	0	0	U4	0	0	0	
R6	290		97,472	U5	0	0	0	
R7	0	0	0	U7	0	0	0	
R9	0	0	0	U9	0	0	0	
RA	0		0	UA	0		0	
RB	0		0	UB	0		0	
RF	0		0	UF	0		0	
RI	0		0	UZ	0		0	
RZ	0		0					
RESIDENTIAL TRANSITIONAL				EXEMPT PROPERTY				
Code	Count	Acres	40% Value	Code	Count	Acres	40% Value	
T1	0		0	E0	0		0	
T3	0	0	0	E1	28		385,542	
T4	0	0	0	E2	25		133,500	
				E3	0		0	
				E4	0		0	
				E5	0		0	
				E6	0		0	
				E7	0		0	
				E8	0		0	
				E9	1		7,227	
HISTORIC								
Code	Count	Acres	40% Value					
H1	0		0					
H3	0	0	0					
AGRICULTURAL								
Code	Count	Acres	40% Value					
A1	1		17,400					
A3	0	0	0					
A4	1	4.66	7,490					
A5	0	0	0					
A6	0		0					
A7	0	0	0					
A9	0	0	0					
AA	0		0					
AB	0		0					
AF	0		0					
TOTAL					54	526,269		
HOMESTEAD AND PROPERTY EXEMPTIONS								
Code	Count	M&O	Bond					
S1	0	0	0					
SC	0	0	0					
S2	0	0	0					
S3	0	0	0					
S4	0	0	0					
S5	1	33,096	0					
SD	0	0	0					
SS	1	36,072	0					

AI	0	0	0	SE	0	0	0
AZ	0	0	0	SG	0	0	0
PREFERENTIAL				S6	0	0	0
Code	Count	Acres	40% Value	S7	0	0	0
P3	0	0	0	S8	0	0	0
P4	0	0	0	S9	0	0	0
P5	0	0	0	SF	0	0	0
P6	0	0	0	SA	0	0	0
P7	0	0	0	SB	0	0	0
P9	0	0	0	SP	1	538	0

CONSERVATION USE				SH	0	0	0
Code	Count	Acres	40% Value	ST	0	0	0
V3	0	0	0	SV	2	40,500	0
V4	0	0	0	SJ	0	0	0
V5	2	103.97	60,573	SW	0	0	0
V6	0	0	0	SX	0	0	0
				SN	0	0	0

DO NOT USE CODES L1-L9 ON STATE SHEET

BROWNFIELD PROPERTY				L1	0	0	0
Code	Count	Acres	40% Value	L2	0	0	0
B1	0	0	0	L3	0	0	0
B3	0	0	0	L4	0	0	0
B4	0	0	0	L5	0	0	0
B5	0	0	0	L6	0	0	0
B6	0	0	0	L7	0	0	0
				L8	0	0	0
				L9	0	0	0

FOREST LAND CONSERVATION USE				TOTAL	5	110,206	0
Code	Count	Acres	40% Value	SUMMARY			
J3	0	0	0	Code	Count	Acres	40% Value
J4	0	0	0	Residential	910	243.9	3,937,455
J5	0	0	0	Residential	0	0	0
J9	0	0	0	Transitional	0	0	0

FLPA FAIR MARKET ASSMT				Historical	0	0	0
Code	Count	Acres	40% Value	Agricultural	2	4.66	24,890
F3	0	0	0	Preferential	0	0	0
F4	0	0	0	Conservation Use	2	103.97	60,573
F5	0	0	0	Brownfield Property	0	0	0
F9	0	0	0	Forest Land Cons Use	0	0	0
Total	0	0	0	Environmentally Sensitive	0	0	0

ENVIRONMENTALLY SENSITIVE				Commercial	160	63.25	1,940,884
Code	Count	Acres	40% Value	Industrial	0	0	0
W3	0	0	0	Utility	4	0	463,266
W4	0	0	0	Motor Vehicle	332		393,900
W5	0	0	0	Mobile Home	81		260,466

COMMERCIAL				Timber 100% Heavy Equipment	0	0	0
Code	Count	Acres	40% Value	Gross Digest	1,491	415.78	7,081,434
C1	88		948,630	Exemptions Bond			0
C3	32	41.5	86,775	Net Bond Digest			7,081,434
C4	7	21.75	48,951	Gross Digest	1,491	415.78	7,081,434
C5	0	0	0				
C7	0	0	0				
C9	0	0	0				



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[Home](#)

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Home» Local Government Services Online Programs» Tax Digest Consolidated Summary

[Return](#)

GEORGIA DEPARTMENT OF REVENUE Local Government Services Division County Digest Section	2017 TAX DIGEST CONSOLIDATED SUMMARY
--	---

County:BERRIEN County #:010 Tax District:ENIGMA

Dist #: 10 Assessment %: 040 Tot Parcels:375

RESIDENTIAL				UTILITY			
Code	Count	Acres	40% Value	Code	Count	Acres	40% Value
R1	337		3,122,053	U1	0		0
R3	234	257.65	411,723	U2	3	0	404,614
R4	94	272.9	379,133	U3	0	0	0
R5	0	0	0	U4	0	0	0
R6	577		231,322	U5	0	0	0
R7	0	0	0	U7	0	0	0
R9	0	0	0	U9	0	0	0
RA	0		0	UA	0		0
RB	0		0	UB	0		0
RF	0		0	UF	0		0
RI	0		0	UZ	0		0
RZ	0		0				
RESIDENTIAL TRANSITIONAL				EXEMPT PROPERTY			
Code	Count	Acres	40% Value	Code	Count	40% Value	
T1	0		0	E0	0	0	
T3	0	0	0	E1	12	32,443	
T4	0	0	0	E2	14	47,964	
HISTORIC				E3	0	0	
Code	Count	Acres	40% Value	E4	2	10,883	
H1	0		0	E5	0	0	
H3	0	0	0	E6	1	400	
AGRICULTURAL				E7	0	0	
Code	Count	Acres	40% Value	E8	0	0	
A1	21		181,861	E9	0	0	
A3	0	0	0				
A4	1	6.58	11,264	TOTAL	29	91,690	
A5	5	68.09	47,176	HOMESTEAD AND PROPERTY EXEMPTIONS			
A6	43		23,966	Code	Count	M&O	Bond
A7	0	0	0	S1			0
A9	0	0	0	SC			0
AA	0		0	S2	0	0	0
AB	0		0	S3	0	0	0
AF	0		0	S4			0
				S5	1	34,526	0
				SD	0	0	0
				SS	0	0	0

AI	0	0	SE	0	0	0
AZ	0	0	SG	0	0	0
PREFERENTIAL			S6	0	0	0
Code Count	Acres	40% Value	S7	0	0	0
P3	0	0	S8	0	0	0
P4	0	0	S9	0	0	0
P5	0	0	SF	0	0	0
P6	0	0	SA	0	0	0
P7	0	0	SB	0	0	0
P9	0	0	SP	1	882	0

CONSERVATION USE			SH	0	0	0
Code Count	Acres	40% Value	ST	0	0	0
V3	2	39.43	SV	20	455,334	0
V4	4	75.02	SJ	0	0	0
V5	14	1,110.18	SW	0	0	0
V6	0	0	SX	0	0	0
			SN	0	0	0

DO NOT USE CODES L1-L9 ON STATE SHEET

L1	0	0	0
L2	0	0	0
L3	0	0	0
L4	0	0	0
L5	0	0	0
L6	0	0	0
L7	0	0	0
L8	0	0	0
L9	0	0	0

BROWNFIELD PROPERTY

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

FOREST LAND CONSERVATION USE

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

TOTAL 22 490,742 0

SUMMARY

Code	Count	Acres	40% Value
Residential	1,242	530.55	4,144,231
Residential Transitional	0	0	0
Historical	0	0	0
Agricultural	70	74.67	264,267
Preferential	0	0	0
Conservation Use	20	1,224.63	783,587
Brownfield Property	0	0	0
Forest Land Cons Use	0	0	0
Environmentally Sensitive	0	0	0
Commercial	85	43.34	1,045,543
Industrial	0	0	0
Utility	3	0	404,614
Motor Vehicle	424		505,020
Mobile Home	242		745,436
Timber 100%	0	0	0
Heavy Equipment	0		0
Gross Digest	2,086	1,873.19	7,892,698
Exemptions Bond			0
Net Bond Digest			7,892,698
Gross Digest	2,086	1,873.19	7,892,698

FLPA FAIR MARKET ASSMT

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

ENVIRONMENTALLY SENSITIVE

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

COMMERCIAL

Code Count	Acres	40% Value
C1	42	738,507
C3	18	8.46
C4	4	34
C5	0	0
C7	0	0
C9	1	0.88
CA	0	0

CB	0	0	Exemptions-	490,742		
CF	15	165,471	M&O			
CI	5	70,539	Net M&O Digest	7,401,956		
CP	0	0				
CZ	0	0				
INDUSTRIAL			TAX LEVIED			
Code	Count	Acres	40% Value	TYPE	ASSESSED VALUE	MILLAGE TAX
I1	0		0	M & O	7,401,956	5.000 37,009.78
I3	0	0	0	BOND	7,892,698	.000 0.00
I4	0	0	0			
I5	0	0	0			
I7	0	0	0			
I9	0	0	0			
IA	0		0			
IB	0		0			
IF	0		0			
II	0		0			
IP	0		0			
IZ	0		0			

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Home» Local Government Services Online Programs» Tax Digest Consolidated Summary

[Return](#)

GEORGIA DEPARTMENT OF REVENUE Local Government Services Division County Digest Section	2017 TAX DIGEST CONSOLIDATED SUMMARY
--	---

County:BERRIEN County #:010 Tax District:NASHVILLE

Dist #: 15 Assessment %: 040 Tot Parcels:2337

RESIDENTIAL				UTILITY			
Code	Count	Acres	40% Value	Code	Count	Acres 40% Value	
R1	2,239		33,392,829	U1			
R3	1,902	852	4,523,198	U2	5	2,301,253	
R4	57	143	262,001	U3			
R5	1		1,800	U4			
R6	1,804		650,240	U5			
R7				U7			
R9				U9			
RA	1		11,200	UA			
RB	2		7,004	UB			
RF				UF			
RI				UZ			
RZ							
RESIDENTIAL TRANSITIONAL				EXEMPT PROPERTY			
Code	Count	Acres	40% Value	Code	Count	40% Value	
T1				E0			
T3				E1	225	4,884,718	
T4				E2	64	456,036	
				E3	8	128,460	
HISTORIC				E4	6	33,358	
Code	Count	Acres	40% Value	E5	14	669,326	
H1				E6	11	222,073	
H3				E7			
AGRICULTURAL				E8			
Code	Count	Acres	40% Value	E9	3	14,888	
A1	2		145,728				
A3				TOTAL	331	6,408,859	
A4	1	14	13,428	HOMESTEAD AND PROPERTY EXEMPTIONS			
A5	2	106	59,631	Code	Count	M&O	Bond
A6	12		15,334	S1			
A7				SC			
A9				S2			
AA				S3			
AB				S4			
AF				S5	15	493,915	
AI				SD			
AZ				SS			
PREFERENTIAL				SE			
Code	Count	Acres	40% Value	SG			

P3				S6			
P4				S7			
P5				S8			
P6				S9			
P7				SF	5	17,803,990	
P9				SA			
CONSERVATION USE				SB			
Code	Count	Acres	40% Value	SP	15	25,872	
V3	2	46	39,732	SH			
V4	5	66	53,384	ST			
V5	2	89	74,950	SV	9	106,429	
V6				SJ			
BROWNFIELD PROPERTY				SW			
Code	Count	Acres	40% Value	SX			
B1				SN			
B3				DO NOT USE CODES L1-L9 ON STATE SHEET			
B4				L1			
B5				L2			
B6				L3			
FOREST LAND CONSERVATION USE				L4			
Code	Count	Acres	40% Value	L5			
J3				L6			
J4				L7			
J5				L8			
J9				L9			
FLPA FAIR MARKET ASSMT				TOTAL	44 18,430,206		
Code	Count	Acres	40% Value	SUMMARY			
F3				Code	Count	Acres	40% Value
F4				Residential	6,006	995 38,848,272	
F5				Residential			
F9				Transitional			
Total				Historical			
ENVIRONMENTALLY SENSITIVE				Agricultural	17	120 234,121	
Code	Count	Acres	40% Value	Preferential			
W3				Conservation	9	201 168,066	
W4				Use			
W5				Brownfield			
COMMERCIAL				Property			
Code	Count	Acres	40% Value	Forest Land			
C1	742		14,080,385	Cons Use			
C3	298	258	2,127,491	Environmentally			
C4	43	122	347,536	Sensitive			
C5	1	28	56,880	Commercial	1,320	408 42,403,091	
C7				Industrial	61	122 4,989,694	
C9	1		688	Utility	5	2,301,253	
CA	1		26,000	Motor Vehicle			
CB				Mobile Home			
CF	141		4,102,502	Timber 100%			
CI	89		3,863,139	Heavy			
CP	4		17,798,470	Equipment			
CZ				Gross Digest	7,418	1,846 88,944,497	
INDUSTRIAL				Exemptions			
Code	Count	Acres	40% Value	Bond			
I1	47		4,791,432	Net Bond Digest		88,944,497	
I3	8	57	84,536	Gross Digest	7,418	1,846 88,944,497	
				Exemptions-			18,430,206
				M&O			
				Net M&O Digest			70,514,291

I4	3	65	65,524
I5			
I7			
I9			
IA			
IB			
IF	1		7,434
II	1		35,248
IP	1		5,520
IZ			

TAX LEVIED			
TYPE	ASSESSED VALUE	MILLAGE	TAX
M & O	70,514,291	8.000	564,114.33
BOND	88,944,497	.000	0.00

[Return](#)



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[Home](#)

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[Home](#)» [Local Government Services Online Programs](#)» [Tax Digest Consolidated Summary](#)

[Return](#)

GEORGIA DEPARTMENT OF REVENUE Local Government Services Division County Digest Section	2017 TAX DIGEST CONSOLIDATED SUMMARY
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County: **BERRIEN** County #: **010** Tax District: **RAY CITY**

Dist #: **20** Assessment %: **040** Tot Parcels: **438**

RESIDENTIAL				UTILITY			
Code	Count	Acres	40% Value	Code	Count	Acres	40% Value
R1	470		6,813,671	U1	0		0
R3	332	171.45	631,656	U2	4	0	447,501
R4	74	101.25	358,061	U3	0	0	0
R5	0	0	0	U4	0	0	0
R6	403		141,285	U5	0	0	0
R7	0	0	0	U7	0	0	0
R9	0	0	0	U9	0	0	0
RA	0		0	UA	0		0
RB	0		0	UB	0		0
RF	0		0	UF	0		0
RI	0		0	UZ	0		0
RZ	0		0				
RESIDENTIAL TRANSITIONAL				EXEMPT PROPERTY			
Code	Count	Acres	40% Value	Code	Count	40% Value	
T1	0		0	E0	0	0	
T3	0	0	0	E1	20	161,151	
T4	0	0	0	E2	25	186,520	
HISTORIC				E3	0	0	
Code	Count	Acres	40% Value	E4	0	0	
H1	0		0	E5	0	0	
H3	0	0	0	E6	0	0	
				E7	0	0	
				E8	0	0	
				E9	0	0	
AGRICULTURAL				TOTAL			
Code	Count	Acres	40% Value	45 347,671			
A1	0		0	HOMESTEAD AND PROPERTY EXEMPTIONS			
A3	1	2.74	3,458	Code	Count	M&O	Bond
A4	0	0	0	S1			0
A5	2	74.15	47,805	SC			0
A6	0		0	S2	0	0	0
A7	0	0	0	S3	0	0	0
A9	0	0	0	S4			0
AA	0		0	S5	9	314,023	0
AB	0		0	SD	0	0	0
AF	0		0	SS	1	46,329	0
				SE	0	0	0

AI	0	0	0	SG	0	0	0
AZ	0	0	0	S6	0	0	0
PREFERENTIAL				S7	0	0	0
Code	Count	Acres	40% Value	S8	0	0	0
P3	0	0	0	S9	0	0	0
P4	0	0	0	SF	0	0	0
P5	0	0	0	SA	0	0	0
P6	0	0	0	SB	0	0	0
P7	0	0	0	SP	2	1,374	0
P9	0	0	0	SH	0	0	0

CONSERVATION USE				ST	0	0	0
Code	Count	Acres	40% Value	SV	4	41,299	0
V3	1	7.4	9,920	SJ	0	0	0
V4	2	53.82	28,534	SW	0	0	0
V5	1	40	23,779	SX	0	0	0
V6	0	0	0	SN	0	0	0

BROWNFIELD PROPERTY				DO NOT USE CODES L1-L9 ON STATE SHEET			
Code	Count	Acres	40% Value	L1	0	0	0
B1	0	0	0	L2	0	0	0
B3	0	0	0	L3	0	0	0
B4	0	0	0	L4	0	0	0
B5	0	0	0	L5	0	0	0
B6	0	0	0	L6	0	0	0
				L7	0	0	0
				L8	0	0	0
				L9	0	0	0

FOREST LAND CONSERVATION USE				TOTAL	16	403,025	0
Code	Count	Acres	40% Value	SUMMARY			

J3	0	0	0	Code	Count	Acres	40% Value
J4	0	0	0	Residential	1,279	272.7	7,944,673
J5	0	0	0	Residential Transitional	0	0	0
J9	0	0	0	Historical	0	0	0
FLPA FAIR MARKET ASSMT				Agricultural	3	76.89	51,263
Code	Count	Acres	40% Value	Preferential	0	0	0
F3	0	0	0	Conservation Use	4	101.22	62,233
F4	0	0	0	Brownfield Property	0	0	0
F5	0	0	0	Forest Land Cons Use	0	0	0
F9	0	0	0	Environmentally Sensitive	0	0	0
Total	0	0	0	Commercial	92	12.6	1,113,942

ENVIRONMENTALLY SENSITIVE				Industrial	0	0	0
Code	Count	Acres	40% Value	Utility	4	0	447,501
W3	0	0	0	Motor Vehicle	316	0	345,280
W4	0	0	0	Mobile Home	78	0	193,935
W5	0	0	0	Timber 100%	0	0	0

COMMERCIAL				Heavy Equipment	0	0	0
Code	Count	Acres	40% Value	Gross Digest	1,776	463.41	10,158,827
C1	48	0	697,452	Exemptions Bond			0
C3	19	12.07	78,977	Net Bond Digest			10,158,827
C4	2	0.53	2,548	Gross Digest	1,776	463.41	10,158,827
C5	0	0	0	Exemptions-M&O			403,025
C7	0	0	0				
C9	0	0	0				

CA	0	0	Net M&O Digest			9,755,802
CB	0	0				
CF	18	197,326				
CI	4	137,610	TYPE	ASSESSED VALUE	MILLAGE	TAX
CP	0	0	M & O	9,755,802	4.500	43,901.11
CZ	1	29	BOND	10,158,827	.000	0.00

INDUSTRIAL

Code	Count	Acres	40% Value
I1	0		0
I3	0	0	0
I4	0	0	0
I5	0	0	0
I7	0	0	0
I9	0	0	0
IA	0		0
IB	0		0
IF	0		0
II	0		0
IP	0		0
IZ	0		0

[Return](#)

Appendix C

Community Work Program

**BERRIEN COUNTY FIVE-YEAR SHORT-TERM WORK PROGRAM
UPDATE (2016 - 2020)**

PROJECTS	ESTIMATE D COST	RESPONSIBLE PARTY	FUNDING SOURCE	GOAL	FY	FY	FY	FY	FY
					16	17	18	19	20
CULTURAL RESOURCES									
Develop a Historic Preservation Best Management Practices (BMP) and guideline pamphlet for public distribution and education	\$2,500	Berrien County and Berrien County Historical Foundation	General Funds	1			*	*	
Develop a strategic Plan to promote historical tourism within the County, including historical tours, downtown events, and historical marketing efforts	Staff Time	Berrien County	General Funds	1		*	*		
Develop land use regulations to protect historic structures and sites and prohibit encroachment of surrounding uses.	\$1,500	Berrien County	General Funds	1			*	*	*
ECONOMIC DEVELOPMENT									
Restructure the Economic Development Authority and annually reevaluate projects/programs to improve efficiency	Staff Time	Berrien County	General Funds	2	*	*	*	*	*
Complete the final phase of construction of the new airport	\$10,000,000	Berrien County, Airport	General Funds, SPLOST, Grants	2,6			*		
Complete the infrastructure improvements to the new Industrial Park along 82;	\$1,000,000	Berrien County	General Funds, CDBG	2			*		
Coordinate with the boat testing canal to be constructed by Chaparral	\$1,000,000	Berrien County	General Funds and available grants	2			*		
Develop a county-wide on-line business registry	\$5,000	County and Cities	General Funds	2		*	*		
Develop a marketing plan to attract the Moody AFB population	\$2,500	Berrien County	General Funds	2				*	
Create tax incentives for commercial property	Staff Time	Berrien County	General Funds	2			*	*	

PROJECTS	ESTIMATE D COST	RESPONSIBLE PARTY	FUNDING SOURCE	GOAL	FY	FY	FY	FY	FY
					16	17	18	19	20
owners in an effort to reduce rental rates for commercial buildings.									
Develop a coordinated county-wide business presence and increase broadband coverage to increase inventory	\$10,000	County and Cities	General Funds, SPLOST, State grants	2		*	*		
Enhance the communication network for the county and the cities including establishing a Wireless Network Center.	\$500,000	County and Cities	General Funds, SPLOST, Grants	2		*	*		
Develop a marketing program to promote the airport runway expansion to attract more business through the Chamber and website	Staff Time	County and Chamber of Commerce	General Funds	2	*				
Establish an ongoing Committee with representation from the County and Moody Air Force Base to identify and foster mutually beneficial growth and development projects and programs within the area.	Staff Time	County and Cities	General Funds	2	*				
HOUSING									
Identify areas where infill housing can be accommodated within the County, and coordinated with the property owners to coordinate public and private funds and efforts	\$1,500	Berrien County	General Funds	3			*	*	
Support cities efforts to upgrade housing conditions by providing staff (Code Officer and Engineer).	\$4,500	Berrien County, Cities of Alapaha ,Enigma, Nashville, and Ray City, GICH	General Funds	3	*	*	*	*	*
NATURAL RESOURCES									
Develop regulations jointly with the surrounding counties and cities to ensure that the water resources of the area are protected.	Staff Time	County and Cities	General Funds	4		*	*		
Develop a comprehensive inventory of natural resources within the County to ensure their	\$3,000	Berrien County	General Funds	4		*	*		

PROJECTS	ESTIMATE D COST	RESPONSIBLE PARTY	FUNDING SOURCE	GOAL	FY	FY	FY	FY	FY
					16	17	18	19	20
protection and continued preservation.									
Develop promotional materials and programs for local outdoor activities, including public fishing opportunities throughout the county.	\$2,000	Berrien County	General Funds	4			*	*	
Coordinate with the Governor's <i>Go Fish Georgia</i> Initiative to promote fishing throughout the County, and particularly at the Paradise Public Fishing Area.	\$3,500	Berrien County	General Funds	4	*	*	*	*	*
Establish more public access points along the Alapaha River.	Staff Time	Berrien County, DNR, DOT	General Funds, DNR Grants	4		*	*	*	
Conduct storm-water drainage replacement repair and cleaning and maintain canals in Berrien County and the Cities of Alapaha, Enigma, Nashville and Ray City	\$500,000 per project	County and Cities	General Funds, HUD, CDBG	4	*	*			
LAND USE									
Identify on a map all natural and cultural resources that are located within the flight paths and noise contours of Moody Air Force Base.	\$5,000	Berrien County	General Funds	5	*	*			
Adopt noise attenuating building standards for new residential homes within the flight paths and noise contours of Moody Air Force Base.	Staff Time	Berrien County	General Funds	5	*				
Develop a county-wide zoning ordinance.	\$1,500	Berrien County	General Funds	5				*	*
Work with FEMA to update local FIRM maps in the County and Cities	Staff Time	Berrien County EMA	FEMA	5				*	*
COMMUNITY FACILITIES & SERVICES									
Identify and obtain additional properties for recreational and youth sports programs throughout the county.	\$500,000	Berrien County and Recreational Department	General Funds and CDBG Recreational Grants	6	*			*	*

PROJECTS	ESTIMATE D COST	RESPONSIBLE PARTY	FUNDING SOURCE	GOAL	FY	FY	FY	FY	FY
					16	17	18	19	20
Replace (Police) 3 New Patrol Cars with in cabin cameras annually	\$105,000 annually	Berrien County, Berrien County Sheriff Department	General Funds and available grants	6		*			
Develop a county-wide Recreation Program.	\$1,000	Berrien County and Recreational Department, Cities	General Funds, Fees	6,7				*	
Explore ways to share maintenance responsibility and decrease cost more efficiently for parks and recreation county-wide.	Staff Time	Berrien County and Recreational Department, Cities	General Funds, Fees	6			*	*	*
Develop an airport master plan that provides for runway and terminal expansions that will accommodate larger aircraft and additional flights.	\$15,000	Berrien County	General Funds, Grants	2,6			*	*	*
Seek funding to construct a covered arena at the local saddle club	\$1,000,000	Berrien County	General Funds, CDBG Recreational grant	6,				*	*
Establish a joint committee with the County and the School Board for the development of an agreement to utilize buses for the transportation of county children to and from recreational sites and from recreational sites and events within the County, and continue regular meetings of the committee to monitor the operation of the program and address any new needs or issues which may arise.	Staff Time	County and Berrien County BOE	General Funds	6,7	*	*			
Establish regular communication between points of contact within each recreation department to coordinate events and facilities so that residents from all parts of the County will have the opportunity to enjoy local events and activities.	Staff Time	County, Cities , and Recreation Board	General Funds	6			*	*	*
Establish broadband coverage for the county (including hot spots) and participate in Regional efforts in cooperation with GTA	\$250,000	Berrien County, ISP, RC	Grants and General Funds	6	*	*	*		
Develop a cost and feasibility study for retention of the local hospital	\$7,500	Berrien County	General Funds	6	*	*			

PROJECTS	ESTIMATE D COST	RESPONSIBLE PARTY	FUNDING SOURCE	GOAL	FY	FY	FY	FY	FY
					16	17	18	19	20
Identify sites for an EMS station to be located in the southern portion of the county.	\$1,500	Berrien County	General Funds	6	*	*	*		
Build a boat ramp for the Alapaha River	\$100,000	Berrien County	General Funds, DNR Grants	4,6					*
Identify a location and discuss hiring a consultant to design a site plan for a county-wide senior activity center.	\$5,000	County and Cities	General Funds	6				*	*
Road paving projects will be based on priority and need and amount of annual LMIG funding	\$300,000	Berrien County and DOT	County, DOT	6	*	*	*	*	*
Replace antiquated water & sewer lines and equipment prone to failure in County and Cities through CDBG grants	\$50,000	County and Cities	CDBG Grants	6	*	*	*	*	*
Provide additional first responder training, air units, air unit chargers, Class A Pumper & Fire Knocker trucks and other equipment to County and Cities Fire Departments for Wildfire use	\$7,000,000	Berrien County	General Funds/GEMA/FEMA/Homeland Security	6	*	*	*	*	*
Plan to acquire property for new Volunteer Fire Station and/or new additions to existing stations in the County and Cities	\$1,000,000 each	County and Cities	General Funds, grants	6	*	*			
Develop and equip a Haz Mat Team to deal with agricultural chemicals during wildfire events	\$100,000	County and Cities	General Funds/GEM/FEMA	6		*	*		
Secure funding for a hazardous weather alert system in the Cities and in the populated portion of the County	\$15,000 each jurisdiction	County and Cities	General Funds/GEM/FEMA	6	*				

PROJECTS	ESTIMATED COST	RESPONSIBLE PARTY	FUNDING SOURCE	GOAL	FY	FY	FY	FY	FY
					16	17	18	19	20
INTERGOVERNMENTAL COORDINATION									
Develop an intergovernmental agreement between the School Board and Berrien County to create a transportation system for children traveling to recreational events and sites around the County.	\$750	Berrien County	General Funds	6,7			*	*	*
Establish an annual meeting between the School Board, the County, and the cities to identify and address issues confronting each organization, and coordinate the development and implementation of programs, policies and practices to address the issues.	Staff Time	County and Cities	General Funds	7	*				
Develop an intergovernmental agreement to provide county-wide recreational opportunities	Staff Time	County and Cities	General Funds/Fees	6,7	*				
Develop a strategic plan to provide EMS coverage in southern Berrien County including Ray City	\$15,000	Berrien County, Ray City	General Funds and grants	6		*			
Develop jointly with cities in a shared code enforcement program, i.e. Building code, subdivision, zoning	Staff Time	County and Cities	General Funds/Fees	7	*				
PLANNING									
Update the "official county roads" map	\$1,500	Berrien County	General Funds	5		*	*		

**CITY OF ALAPAHA FIVE-YEAR SHORT-TERM WORK PROGRAM
UPDATE (2016 - 2020)**

PROJECTS	ESTIMATED COST	RESPONSIBLE PARTY	FUNDING SOURCE	GOAL	FY	FY	FY	FY	FY
					16	17	18	19	20
CULTURAL RESOURCES									
Participate with the County in developing a Historic Preservation BMP and guideline pamphlet for public distribution and education	\$750	County and Cities	General Funds	1		*	*		
Continue with restoration efforts of old Alapaha Gym	\$250,000	City of Alapaha	General Funds, public and private partnerships	1		*			
Develop land use regulations to protect historic structures and sites and prohibit encroachment of surrounding uses.	\$3,000	City of Alapaha	General Funds	1				*	*
ECONOMIC DEVELOPMENT									
Promote Golf Cart City maps.	\$2,000	City of Alapaha	General Funds	2		*	*	*	
Coordinate with the Berrien County School Board to find ways to improve education throughout the county,	Staff Time	City of Alapaha	General Funds	2	*				
Research ways to enhance the communication network for the county and the cities including establishing a Wireless Network Center.	\$1,500	City and County	General Funds, SPLOST, Grants	2		*	*		
HOUSING									
Continue to upgrade housing conditions by using county provided staff (Code Officer and Engineer).	\$1,500	City of Alapaha and County	General Funds	3		*	*		*
Identify affordable housing properties and create a listing that will be available to the public	\$2,500	City of Alapaha	General Funds	3	*	*	*		
NATURAL RESOURCES									
Prepare plans for additional walking paths for future TEA Grant funding consideration.	Staff Time	City of Alapaha, DOT	General Funds, GDOT Grants	4				*	*

PROJECTS	ESTIMATED COST	RESPONSIBLE PARTY	FUNDING SOURCE	GOAL	FY	FY	FY	FY	FY
					16	17	18	19	20
COMMUNITY FACILITIES & SERVICES									
Participate with the County in developing a county-wide Recreation Program.	\$1,000	Berrien County and Recreational Department, Cities	General Funds	6	*	*	*	*	*
Street paving projects: will be based on priority and need and amount of annual LMIG funding	\$20,000	City of Alapaha	General Funds, SPLOST, DOT	6	*	*	*	*	*
INTERGOVERNMENTAL COORDINATION									
Establish an annual meeting between the School Board, the County, and the cities to identify and address issues confronting each organization, and coordinate the development and implementation of programs, policies and practices to address the issues.	Staff Time	County, Cities, and BOE	General Funds	7	*				
Develop an intergovernmental agreement to provide county-wide recreational opportunities	Staff Time	City of Alapaha	General Funds and Fees	6,7	*				
Develop interlocal agreements for shared code enforcement services	Staff Time	City of Alapaha	General Funds and Fees	7	*				

**ENIGMA FIVE-YEAR SHORT-TERM WORK PROGRAM UPDATE
(2016 - 2020)**

PROJECTS	ESTIMATED COST	RESPONSIBLE PARTY	FUNDING SOURCE	GOAL	FY	FY	FY	FY	FY
					16	17	18	19	20
HISTORIC RESOURCES									
Prepare National Historic Register documentation for the school gymnasium and cafeteria buildings	\$1,000	City of Enigma	General Funds	1	*	*			
ECONOMIC DEVELOPMENT									
Develop 2 new retail stores	\$250,000	City of Enigma	General Funds, grants	2	*	*	*	*	*
Enhance the Industrial Park that is near city limits (possibly annex into the city)	\$2,500	City of Enigma	General Funds	2,6		*	*		
LAND USE									
Adopt a zoning ordinance to implement the Enigma Future Land Use Map	\$5,000	City of Enigma	General Funds	5		*	*		
COMMUNITY FACILITIES & SERVICES									
Need a new water tower (existing tower is at capacity)	\$500,000	City of Enigma	CDBG grants, SPLOST	6	*				
Construct a water-supply well, through CDBG grants	\$500,000	City of Enigma	CDBG ,General Funds, SPLOST	6		*	*		

**CITY OF NASHVILLE FIVE-YEAR SHORT-TERM WORK PROGRAM
UPDATE (2016 - 2020)**

PROJECTS	ESTIMATED COST	RESPONSIBLE PARTY	FUNDING SOURCE	GOAL	FY	FY	FY	FY	FY
					16	17	18	19	20
ECONOMIC DEVELOPMENT									
Support all Chamber of Commerce priorities; add land and infrastructure improvements at the industrial park as needed.	\$500,000	City of Nashville	General Funds, SPLOST, CDBG grants	2,5	*	*	*	*	*
HOUSING									
Implement the HOME/CHIP rehab programs	\$250,000	City of Nashville	Grants, General Funds	3	*	*	*	*	*
NATURAL RESOURCES									
Investigate the feasibility and appropriateness of a Green Space Plan to protect natural and open areas within the City	Staff Time	City of Nashville	General Funds	4			*	*	
LAND USE									
Develop Land Use and Subdivision Code	\$5,000	City of Nashville	General Funds	5	*	*			
Amend or adopt codes and ordinances, where applicable, to address the environmentally sensitive resources identified in Part I. Identify and provide protection measures for wetlands.	\$3,500	City of Nashville	General Funds	5	*	*			
Amend the zoning ordinance to implement the Nashville Future Land Use Plan	\$5,000	City of Nashville	General Funds	5	*				
Conduct annexation studies to consolidate islands within the city	\$7,500	City of Nashville	General Funds	5			*	*	
Implement stormwater best management practices for all new development in the City of Nashville	\$2,500	City of Nashville	General Funds	5,4	*	*	*		
Develop a sign ordinance for the City of Nashville	Staff Time	City of Nashville	General Funds	5	*				
COMMUNITY FACILITIES & SERVICES									
Construct a new full time Fire Department	\$250,000	City of Nashville	SPLOST, General Funds	6				*	

PROJECTS	ESTIMATED COST	RESPONSIBLE PARTY	FUNDING SOURCE	GOAL	FY	FY	FY	FY	FY
					16	17	18	19	20
Water and Sewer station upgrade and replacement of deteriorated lines, pipes etc.	\$500,000	City of Nashville	CDBG, General Funds, SPLOST	6				*	*
Build another fire substation to lower ISO number	\$500,000	City of Nashville,	General Funds, SPLOST, USDA Community Facilities grant/loan	5,6				*	*
Submit resurfacing request to LMIG	\$350,000	City of Nashville,	SPLOST, General Funds	6					*
Build a new post office	\$250,000	City of Nashville,	SPLOST, General Funds	6		*	*		
Rehab the drainage ditch	\$500,000	City of Nashville	CDBG, General Funds	6,5	*	*	*		
Upgrade police vehicles and get new cars (digital cameras, light bars, and laptops needed) (Carbon Patrol Cars)	\$25,000 each	City of Nashville	SPLOST, General Funds	6	*	*	*	*	*
Improve the existing communication system for fire and police and eventually create one communication system for Fire and Police at 800 MHz	\$75,000	City of Nashville	SPLOST, General Funds, grants	6,7	*	*	*	*	*
Buy a new fire truck that has a ladder	\$800,000	City of Nashville	SPLOST, General Funds, grants	6	*	*			
Build another Fire Station to the northeast near the industrial areas	\$500,000	City of Nashville	SPLOST, General Funds, grants	6				*	*
Fire Dept. needs a large diameter hose (5 inches)	\$30,000	City of Nashville	SPLOST, General Funds, grants	6	*	*	*		
Continue to upgrade water system by looping water lines	\$250,000	City of Nashville	General Funds, grants	6	*	*	*	*	
Update water, sewer natural gas and storm sewer system maps to include all "as built" lines and add coverage to the City's GIS system	\$12,500	City of Nashville	SPLOST, General Funds, grants	6	*	*	*		
Upgrade the storm sewer system city-wide and add retention ponds	\$500,000	City of Nashville	CDBG, General Funds	6	*	*	*		
Develop a Capital Improvements Program for the City of Nashville that supports current and future growth patterns	\$35,000	City of Nashville	GDOT, General Funds, SPLOST	6,5		*	*		
Develop a Bicycle Route Master Plan to facilitate alternative modes of transportation and healthier lifestyles	\$30,000	City of Nashville	General Funds	6	*	*	*		

PROJECTS	ESTIMATED COST	RESPONSIBLE PARTY	FUNDING SOURCE	GOAL	FY	FY	FY	FY	FY
					16	17	18	19	20
INTERGOVERNMENTAL COORDINATION									
Improve interoperability with the Fire Department	Staff Time	City of Nashville	General Funds	7	*	*	*	*	*
Coordinate code enforcement services with other units of government through interlocal agreements	Staff Time	City and County	General Funds	7	*	*	*	*	*

**CITY OF RAY CITY FIVE-YEAR SHORT-TERM WORK PROGRAM
UPDATE (2016 - 2020)**

PROJECTS	ESTIMATE D COST	RESPONSIBLE PARTY	FUNDING SOURCE	GOAL	FY	FY	FY	FY	FY
					16	17	18	19	20
CULTURAL RESOURCES									
In partnership with the Ray City School Preservation Foundation, Inc. complete the renovation of the City Library and Auditorium at the old Ray City school to make it a first class facility for community recreation and cultural events.	\$150,000	City of Ray City	General Funds, private and public partnerships	1		*	*		
Participate with the County in developing a Historic Preservation BMP and guideline pamphlet for public distribution and education	\$750	City of Ray City, County, City of Enigma, Nashville and Alapaha	General Funds	1		*	*		
ECONOMIC DEVELOPMENT									
Coordinate with the Berrien County School Board to find ways to improve education throughout the county,	Staff Time	City of Ray City, BOE	General Funds	2	*				
Research ways to enhance the communication network for the county and the cities including establishing a Wireless Network Center.	\$1,500	Cities and County	General Funds	2,6	*	*	*		
Increase home ownership and business investment in Ray City by annually establishing and keeping property taxes at a competitive 4.5 mils reduced from current 9 mils.	\$45,000 annually	City of Ray City	General Funds	2,5	*	*	*		
HOUSING									
Identify affordable housing properties and create a listing that will be available to the public	\$2,500	City of Ray City	General Funds	3		*	*	*	
NATURAL RESOURCES									
Prepare plans for additional walking paths for future TEA Grant funding consideration.	Staff Time	City of Ray City, GDOT	General Funds, GDOT Grant	4			*		
LAND USE									
Amend or adopt codes and ordinances where applicable to address the environmentally sensitive resources identified in Part 1.	\$2,500	City of Ray City	General Funds	5	*	*			

PROJECTS	ESTIMATE D COST	RESPONSIBLE PARTY	FUNDING SOURCE	GOAL	FY	FY	FY	FY	FY
					16	17	18	19	20
Identify and provide protection measures for wetlands	\$500	City of Ray City	General Funds	5	*	*	*		
Identify all natural and cultural resources that are located within the flight paths and noise contours of Moody Air Force Base.	Staff Time	City of Ray City	General Funds	5	*	*	*		
Adopt noise attenuating building standards for new residential homes within the flight paths and noise contours of Moody Air Force Base.	Staff Time	City of Ray City	General Funds	5		*			
COMMUNITY FACILITIES & SERVICES									
Participate with the County in developing a county-wide Recreation Program.	\$1,500	County, Cities, Recreation Board	General Funds	6			*	*	*
Draw up annexation plan for future annexations	\$1,000	City of Ray City	General Funds	6		*			
Enhance and improve sewer systems to meet federal EPD standards	\$500,000	City of Ray City	CDBG, General Funds	6	*	*	*	*	*
Provide more parades and special events, such as “Plow Day” and the “Fourth of July”.	\$2,500	City of Ray City	General Funds	6	*	*	*	*	*
INTERGOVERNMENTAL COORDINATION									
Establish an annual meeting between the School Board, the County, and the cities to identify and address issues confronting each organization, and coordinate the development and implementation of programs, policies and practices to address the issues.	Staff Time	County, Cities, BOE	General Funds	7	*				
Develop an intergovernmental agreement to provide county-wide recreational opportunities	Staff Time	City of Ray City	General Funds and fees	6,7		*	*		
Adopt interlocal agreements for shared code enforcement services	Staff Time	City of Ray City	General Funds and fees	7	*				

GEORGIA FORESTRY
COMMISSION



Community Wildfire Protection Plan

An Action Plan for Wildfire Mitigation and Conservation of Natural Resources

Berrien County, Georgia

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

+



JAN 23, 2012

Prepared by;
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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

PREFACE

I. Objectives	5
II. Community Collaboration	5
III. Community Background and Existing Situation.....	6
IV. Community Base Map	8
V. Community Wildfire Risk Assessment	9
VI. Community Hazards Map	14
VII. Prioritized Mitigation Recommendations	17
VIII. Action Plan	22
IX. Appended Documents.....	26

Berrien County Wildfire Pre-suppression Plan

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

Preface

The extreme weather conditions that are conducive to wildfire disasters (usually a combination of extended drought, low relative humidity and high winds) can occur in this area of Georgia as infrequently as every 10-15 years. This is not a regular event, but as the number of homes that have been built in or adjacent to forested or wildland areas increases, it can turn a wildfire under these weather conditions into a major disaster. Wildfires move fast and can quickly overwhelm the resources of even the best equipped fire department. Advance planning can save lives, homes and businesses.

This Community Wildfire Protection Plan (CWPP) includes a locally assessed evaluation of the wildland urban interface areas of the county, looking at the critical issues regarding access to these areas, risk to properties from general issues such as building characteristics and “fire wise” practices and response from local fire fighting resources. It further incorporates a locally devised action plan to mitigate these risks and hazards through planning, education and other avenues that may become available to address the increasing threat of wildland fire. The CWPP does not obligate the county financially in any way, but instead lays a foundation for improved emergency response if and when grant funding is available to the county.

The Plan is provided at no cost to the county and can be very important for county applications for hazard mitigation grant funds through the National Fire Plan, FEMA mitigation grants and Homeland Security. Under the Healthy Forest Restoration Act (HFRA) of 2003, communities (counties) that seek grants from the federal government for hazardous fuels reduction work are required to prepare a Community Wildfire Protection Plan.

This plan will:

- Enhance public safety
- Raise public awareness of wildfire hazards and risks
- Educate homeowners on how to reduce home ignitability
- Build and improve collaboration at multiple levels

The public does not have to fall victim to this type of disaster. Homes (and communities) can be designed, built and maintained to withstand a wildfire even in the absence of fire equipment and firefighters on the scene. It takes planning and commitment at the local level before the wildfire disaster occurs and that is what the Community Wildfire Protection Plan is all about.

I. OBJECTIVES

The mission of the following report is to set clear priorities for the implementation of wildfire mitigation in Berrien 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 September 20th, 2011 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:

Berrien County EMA
Berrien County Fire Departments
Nashville City Government
Berrien County Government
Georgia Forestry Commission

It was decided to conduct community assessments on the basis of the individual fire districts in the county. The chiefs of the various fire departments in the county assessed the selected areas and reconvened on November 10th, 2011 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 BACKGROUND AND EXISTING SITUATION

Background

Berrien County, in southwest Georgia, was formed from parts of Coffee, Irwin, and Lowndes counties in February 1856. Berrien is Georgia's 116th county, with an area of 452 square miles. The county was named for John Macpherson Berrien, a Savannah lawyer who served variously as a judge (with a stint on the Supreme Court of Georgia), a state senator, a U.S. senator, and the attorney general under U.S. president Andrew Jackson. In the War of 1812 (1812-15) he was captain of the Georgia Hussars, a volunteer company from Savannah. He was also the first president of the Georgia Historical Society.

The county seat of Berrien is Nashville, incorporated in 1892 and the site of the county courthouse, which was built in 1898. Other incorporated towns in the county are Alapaha, Enigma, and Ray City.

Alapaha was incorporated in 1881 on the site of a Seminole village with the same name. Its city hall is located in the old Alapaha Station, the former depot for the now defunct Brunswick and Albany Railroad. Some believe that Alapaha was the Creek word for "other side"; others believe it was the word Timucuan Indians used for "bear." The Alapaha Station Celebration occurs the second weekend of each November.

Enigma was incorporated in 1906. Histories of the town's name are apocryphal, and so as one source opined, the name remains an enigma. The Georgia writer Harry Crews used Enigma as the setting for his first novel, *The Gospel Singer* (1968).

Ray City was incorporated in 1909 as Ray's Mill. The white settlement dates to 1863, when locals knew it as Rays Pond. The current name was adopted in 1915, after the town was moved to the railroad junction.

Informally, Berrien calls itself the "Bell Pepper Capital of the World," and the economy of the county is primarily agricultural, concentrating on tobacco, corn, soybeans, peanuts, cotton, vegetables, hogs, beef, and forest products. One of Georgia's first post roads opened in Berrien County in 1823 to enable residents to send their crops to Florida. A fifty-acre industrial park is located just east of Nashville.

Four buildings in Berrien County are on the National Register of Historic Places: the courthouse, the Alapaha Colored School, the Old Berrien County Jail, and the William G. Harrison/Eulalie Taylor House. The Alapaha Colored School was the only school for African American children in the northern part of the county from 1924 through 1953. Unusual in rural Georgia at the time for its size (it held four classrooms, rather than the usual one), the two-story, wood-frame building is one of a few still standing in the state. The classrooms accommodated eleven coeducational grades. The school closed in 1954 when all of Berrien County's African American schools were consolidated into Nashville schools. Thereafter, the building served as classroom space for World War II (1941-45) veterans taking General Education Development, or GED, classes and as a Masonic lodge; since 2002 it has housed the Alapaha Library and Museum.

The Old Berrien County Jail, located in Nashville, is also known as the Berrien Historical Building and Agricultural Museum. The William G. Harrison/Eulalie Taylor House on Bartow

Street in Nashville was built in the early twentieth century by the architect William G. Harrison and now holds law offices.

A state-supported park, the Paradise Public Fishing Area, is also located in the county. Its 1,060 acres include numerous lakes and ponds, making it attractive for outdoor recreation of all kinds, including fishing and picnicking.

The population, according to the 2010 U.S. census, is 19,286, an increase from the 2000 population of 16,235.

Elizabeth B. Cooksey, Savannah, Courtesy New Georgia Encyclopedia

Existing Situation

Berrien County located in south central Georgia, with a large agricultural presence, is still almost 60% forested. Perhaps with the exception of the large blocks of woodlands in the flatwoods northeast of Nashville, there are homes and communities scattered throughout the county. The risks and hazards from the wildland urban interface are fairly general and substantial throughout the county even on the edges of the incorporated cities.

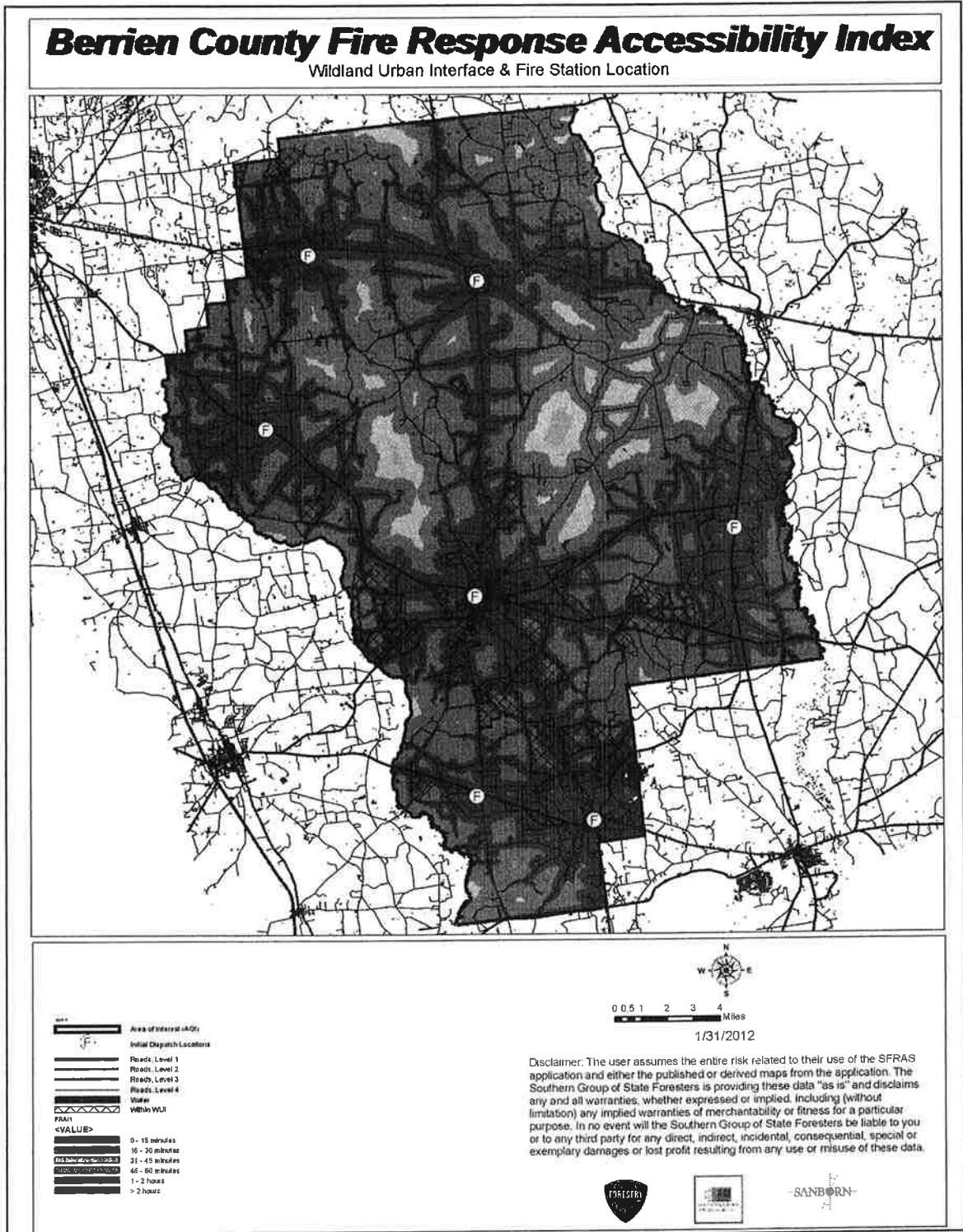
Berrien County is protected by organized Volunteer fire departments in the cities of Nashville, Enigma, Alapaha and Ray City along with three departments in the unincorporated area, New Lois and East and West Berrien. The Georgia Forestry Commission maintains a county protection unit located on Us Hwy 129 six miles north of Nashville near the center of the county to respond to wildfires throughout the county. The incorporated towns are serviced by pressurized water systems with hydrants available.

Over the past 54 years, Berrien County has averaged 81 reported wildland fires per year, burning an average of 391 acres per year. Using more recent figures over the past 20 years, this number has decreased only slightly to an average of 79 fires per year burning on average 359 acres annually. The occurrence of these fires during this later period shows a slight increase during the months of February, and March in the number of the annual fires and a marked increase in the average acreage burned. The numbers of fires over the remainder of the year are fairly well distributed.

Over the past 20 years, the leading cause of these fires was debris burning causing 70% of the fires and 62% of the acres burned. Over the past six years records show that just over 20% of the debris fires originated from residential burning.

Georgia Forestry Commission Wildfire Records show that in the past seven years, three homes and nine outbuildings have been damaged by wildfire in Berrien County resulting in losses of over \$104,000. Additionally seven automobiles and 19 other pieces of mechanized equipment valued at \$1,135,500 were lost to wildfire. This is a significant loss and threat to non timber property attributed to wildfires in Berrien County.

IV. COMMUNITY BASE MAP



V. COMMUNITY WILDFIRE RISK ASSESSMENT

The Wildland-Urban Interface

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

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

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

(courtesy *Fire Ecology and Wildfire Mitigation in Florida* 2004)

Wildland Urban Interface Hazards

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

Hazardous Materials

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

Illicit Activities

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

Propane Tanks

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

Utility Lines

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

Septic Tanks and Fields

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

New Construction Materials

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

Pets and Livestock

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

Evacuation Occurring

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

Limited Access

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

The wildland fire risk assessment conducted in 2011 by the Berrien County Fire Departments identified a number of hazards and risks to communities in the wildland urban interface. The risk assessment instrument used to evaluate wildfire hazards to Berrien 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's identified for Berrien County:

- Unpaved roads and private driveways
- Narrow roads without drivable shoulders and with overhanging trees
- Short or inadequate culverts leading to private drives
- Dead end roads lacking turnarounds
- Minimal defensible space around structures
- Homes with wooden siding
- Unmarked septic tanks in yards
- Lack of pressurized or non-pressurized water systems available
- Large, adjacent areas of forest or wildlands
- Heavy fuel buildup in adjacent wildlands
- Lack of enforcement of addressing ordinance
- High occurrence of wildfires in the several locations
- High Density Mobile Home Parks
- Lack of fire proof skirting on mobile homes and raised housing.

Southern Fire Risk Assessment System Maps.

The attached maps were generated from a computerized Geographical Information System (GIS) program developed by the Sanborn Company under contract from the Southern Group of State Foresters to model the various risks to life and property within the southeastern US. The program is known as the Southern Fire Risk Assessment System (SFRAS). It utilizes multiple layers of data developed cooperatively from the various states and the US Forest Service under the Southern Wildfire Risk Assessment (SWRA)

Wildland Urban Interface maps are developed using data from the SILVIS Lab at the University of Wisconsin at Madison. WUI is composed of both interface and intermix communities. In both interface and intermix communities, housing must meet or exceed a minimum density of one structure per 40 acres. Intermix communities are places where housing and vegetation intermingle. In intermix, wildland vegetation is continuous, more than 50 percent vegetation, in areas with more than one house per 40 acres. Interface communities are areas with housing in the vicinity of continuous vegetation. Interface areas have more than one house per 40 acres, have less than 50 percent vegetation, and are within 1.5 miles of an area (made up of one or more contiguous Census blocks) over 1,325 acres that is more than 75 percent vegetated. The minimum size limit ensures that areas surrounding small urban parks are not classified as interface WUI.

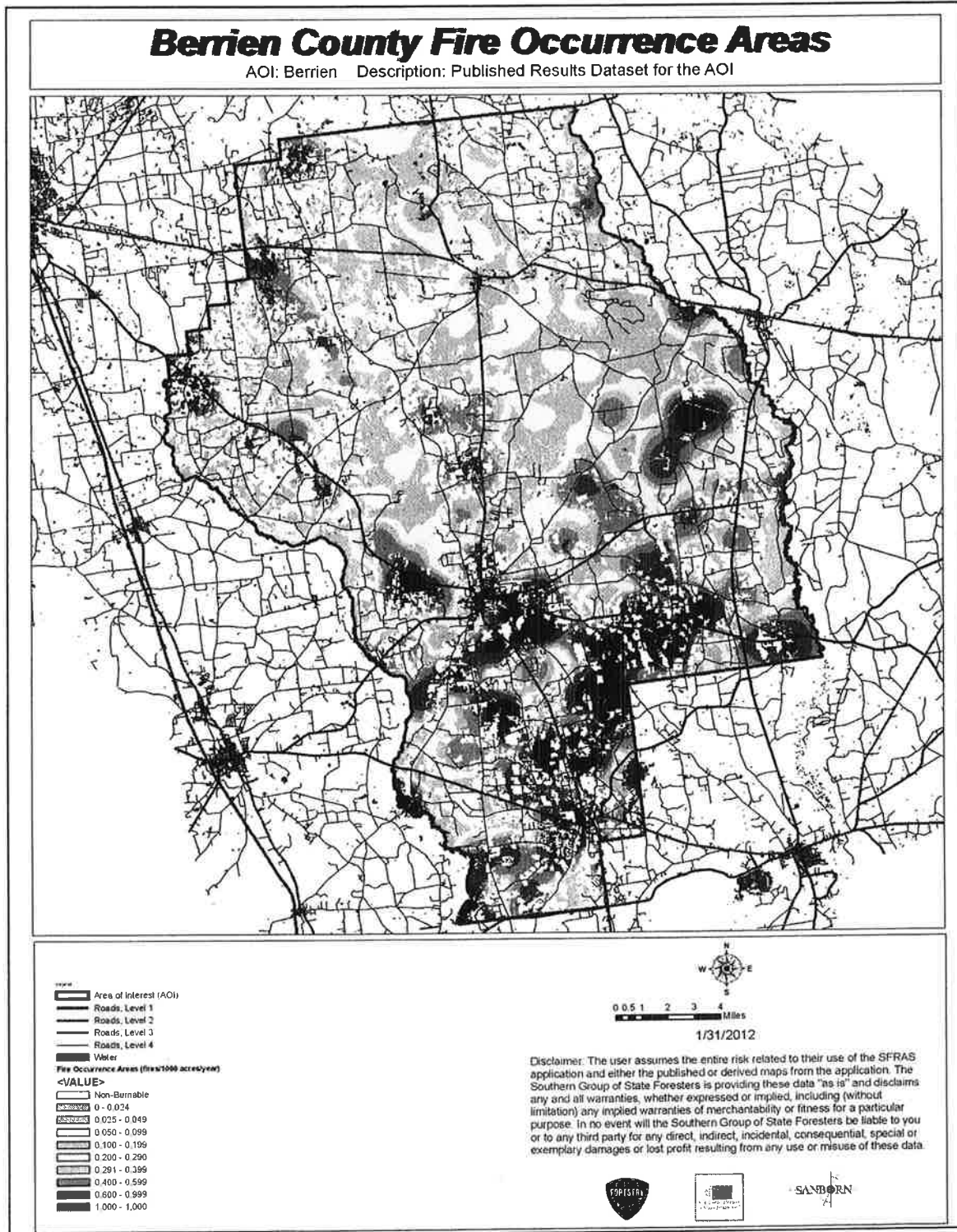
Fire Response Accessibility Index is a relative measure of how long it would take initial attack resources to drive from their station to various areas of the county. This index is derived from assigning average speeds to the various road classes in the county. For the purpose of this analysis the following speeds were assigned: 55 mph for level 1 roads, primarily interstates and four lane open highways, 50 mph for level 2 roads, primarily state and federal highways, 40 mph for level 3 roads, primarily paved two lanes collector roads and 25 mph for level 4 roads, mainly city streets and rural roads, paved and unpaved. For areas away from roads a travel speed of 3 mph is assigned as it is assumed travel will be by foot or extremely slow moving equipment.

Fire Occurrence Areas maps use data from wildfire reports over the period from 1997-2002. The fire occurrence rates mapped are the probability of the number of fires occurring per 1000 acres per year base on this historic information.

Wildland Fire Susceptibility maps show an index value between 0 and 1 and are developed by a mathematical calculation process for determining the probability of an acre burning and the expected final fire size. Many layers of data are used in developing this calculation including historic fire data, wildland fuels and rate of spread, canopy attributes (closure, height and density), weather influences, topography, soils and fire suppression effectiveness.

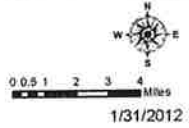
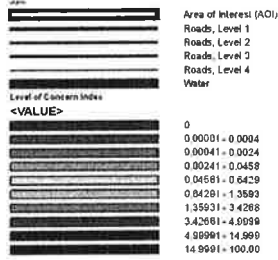
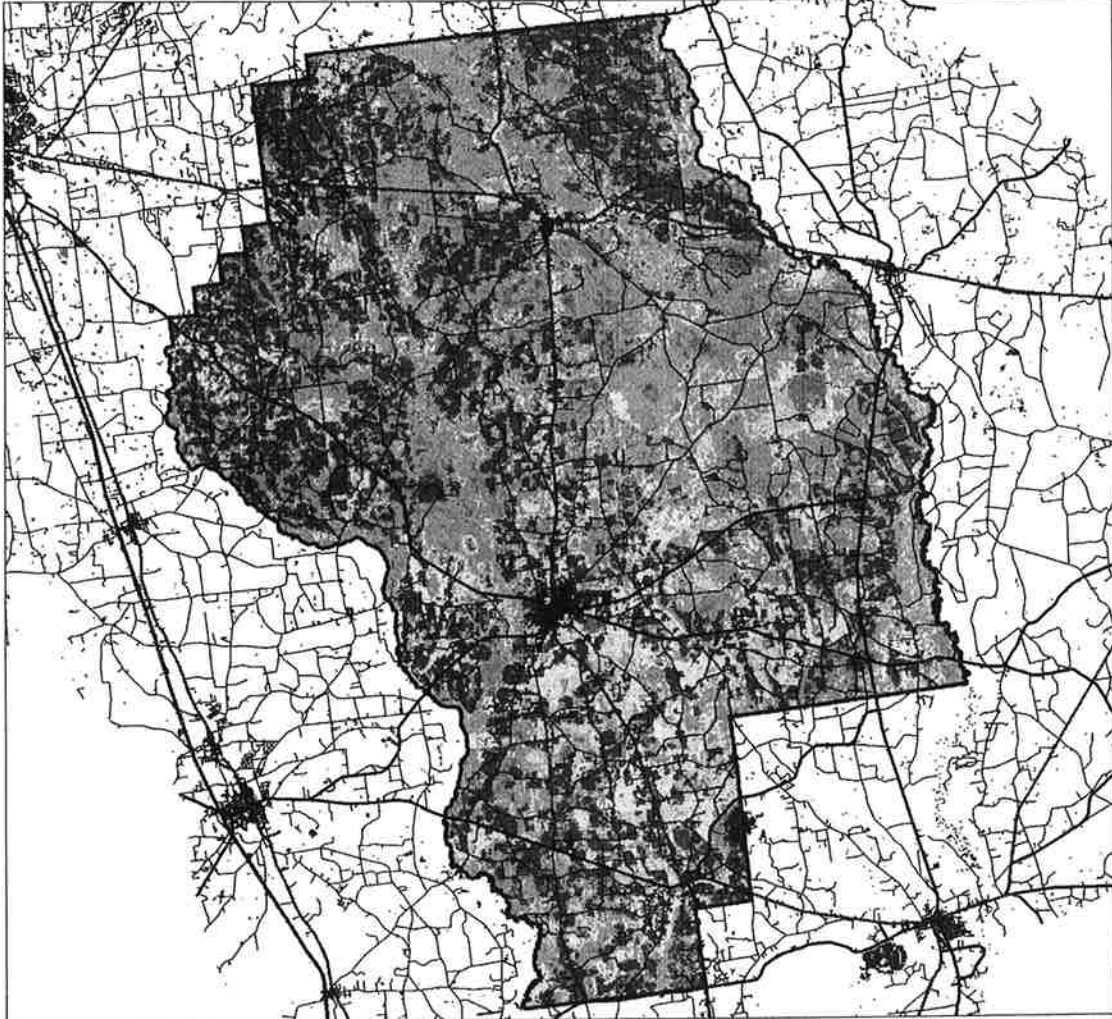
Level of Concern maps are a complex calculation using the Wildland Fire Susceptibility Index (previously described) and the Fire Effects Index which is calculated using data layers of transportation and infrastructure, urban interface and timber values along with suppression difficulty ratings. This provides an output categorizing the expected levels of concern from low to high.

VI. COMMUNITY HAZARDS MAPS



Berrien County Level of Concern

AOI: Berrien Model Run Description: Published Results Level of Concern for the AOI

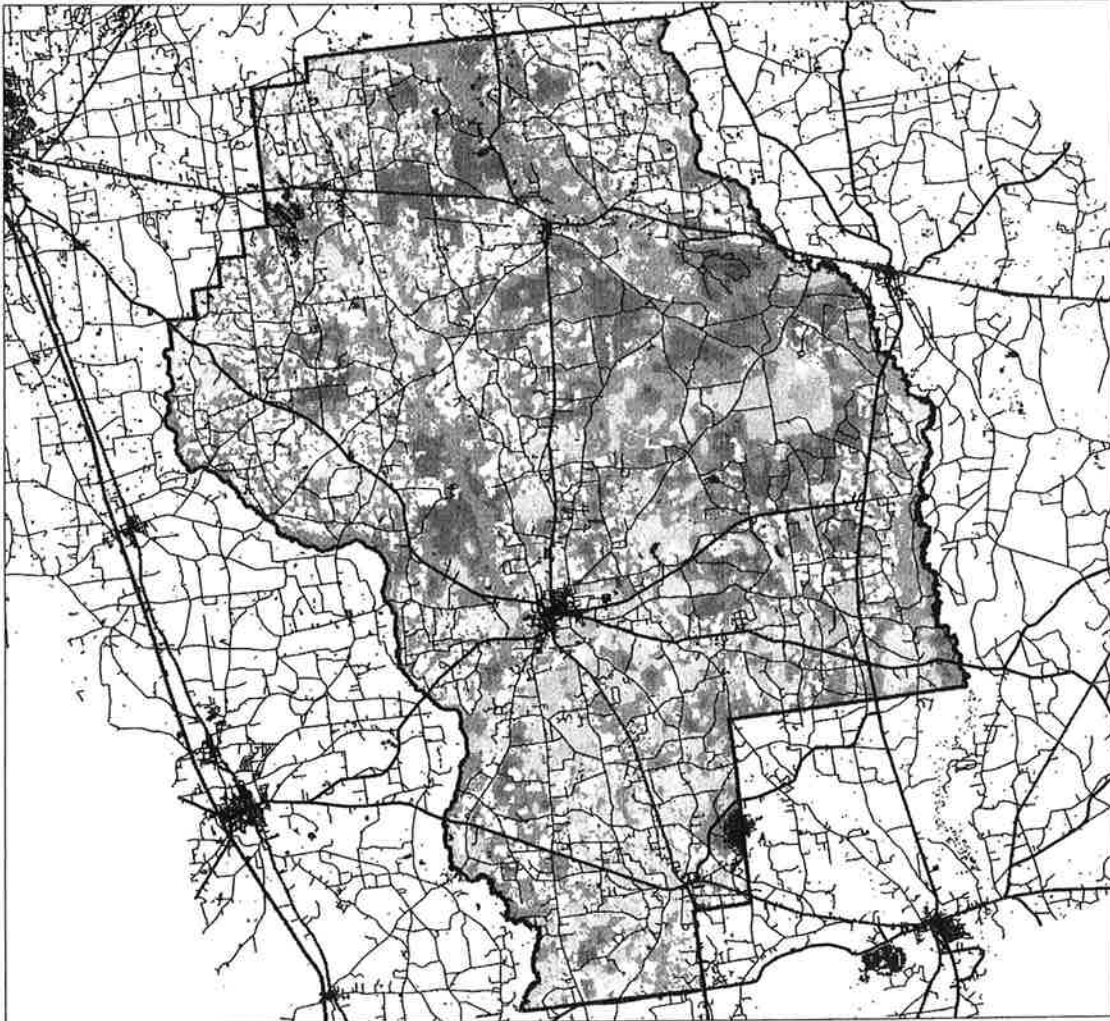


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Berrien County Wildland Fire Susceptibility Index

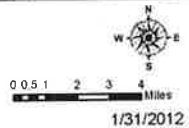
AOI: Berrien Description: Published Results Dataset for the AOI



- Area of Interest (AOI)
- Roads, Level 1
- Roads, Level 2
- Roads, Level 3
- Roads, Level 4
- Water

Wildland Fire Susceptibility Index

- <VALUE>
- 0
 - 0.00001 - 0.00009
 - 0.00010 - 0.00099
 - 0.00100 - 0.00999
 - 0.01000 - 0.09999
 - 0.10000 - 0.19999
 - 0.20000 - 0.39999
 - 0.40000 - 0.59999
 - 0.60000 - 0.79999
 - 0.80000 - 1.00000



1/31/2012

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VII. PRIORITIZED MITIGATION RECOMMENDATIONS

Executive Summary

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

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

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

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

Proposed Community Hazard and Structural Ignitability Reduction Priorities

Primary Protection for Community and Its Essential Infrastructure		
Treatment Area	Treatment Types	Treatment Method(s)
1. All Structures	Create minimum of 30-foot of defensible space**	Trim shrubs and vines to 30 feet from structures, trim overhanging limbs, replace flammable plants near homes with less flammable varieties, remove vegetation around chimneys.
2. Applicable Structures	Reduce structural ignitability**	Clean flammable vegetative material from roofs and gutters, store firewood appropriately, install skirting around raised structures, store water hoses for ready access, and replace pine straw and mulch around plantings with less flammable landscaping materials.
3. Community Clean-up Day	Cutting, mowing, pruning**	Cut, prune, and mow vegetation in shared community spaces.
4. Driveway Access	Right of Way Clearance	Maintain vertical and horizontal clearance for emergency equipment. 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. Work with road department to improve standards for new culvert installation and replacement sufficient to allow access by fire fighting equipment.
6. Codes and Ordinances	Examine existing codes and ordinances.	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 Subdivision and development ordinances for public safety concerns. Also review density standards for mobile home parks and require fireproof skirting. 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. Seek grant for mowing or prescribed burning in WUI areas.
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.
Proposed Improved Community Wildland Fire Response Priorities		
1. Water Sources	Dry Hydrants	Inspect, maintain and improve access to existing dry hydrants. Add signage along road to mark the hydrants. Locate additional dry hydrants or drafting locations needed. Locate and pre-clear helicopter dip sites. Map location of dry hydrants.
2. Fire Stations	Equipment	Seek grants or other funding for Wildland hand tools, Indian Pumps and lightweight Wildland PPE Gear.
3. Water Handling	Equipment	Investigate need for additional tanker trucks and skid unit drafting equipment
4. Response	Equipment	Investigate funding for Brush trucks.
5. Road Names	Road Signage	Timely replacement of missing road signs. "Dead End" or "No Outlet" Tags on Road Signs
6. Personnel	Training	Obtain Wildland Fire Suppression training for Fire Personnel.
**Actions to be taken by homeowners and community stakeholders		

Proposed Education and Outreach Priorities

<p>1. Conduct “How to Have a Firewise Home” Workshop for Berrien County Residents</p>
<p>Set up and conduct a workshop for homeowners that teach the principles of making homes and properties safe from wildfire. Topics for discussion include defensible space, landscaping, building construction, etc. Workshop will be scheduled for evenings or weekends when most homeowners are available and advertised through local media outlets. Target local schools, community groups and local senior centers.</p> <p>Distribute materials promoting firewise practices and planning through local community and governmental meetings.</p>
<p>2. Conduct “Firewise” Workshop for Community Leaders</p>
<p>Arrange for GFC Firewise program to work with local community leaders and governmental officials on the importance of “Firewise Planning” in developing ordinances and codes as the county as the need arises. Identify “Communities at Risk” within the county for possible firewise community recognition.</p>
<p>3. Spring Clean-up Event</p>
<p>Conduct clean-up event every spring involving the Georgia Forestry Commission, Berrien 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:</p> <ul style="list-style-type: none"> • 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 <p>Celebrate the work with a community cookout, with Community officials, GFC and Berrien County Fire Departments discussing and commending the work accomplished.</p>
<p>4. Informational Packets</p>
<p>Develop and distribute informational packets to be distributed by Building inspections, realtors and insurance agents. Included in the packets are the following:</p> <ul style="list-style-type: none"> • Be Firewise Around Your Home • Firewise Guide to Landscape and Construction • Firewise Communities USA Bookmarks

5. Wildfire Protection Display

Create and exhibit a display for the Fourth of July, Alapaha Station Festival, Career Day at schools and other local events. Display can be independent or combined with the Georgia Forestry Commission display.

Hold Fire Safety Festival at individual Fire Stations to promote Community Firewise Safety and develop community support and understanding of local fire departments and current issues.

6. Press

Invite the local news media to community “Firewise” functions for news coverage and regularly submit press releases documenting wildfire risk improvements in Berrien County.

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	
Berrien County WUI Fire Council	Create this informal team or council comprised of concerned residents, officials from Berrien County Fire Departments and Georgia Forestry Commission along with the County EMA Director. Meet periodically to review progress towards mitigation goals, appoint and delegate special activities, work with federal, state, and local officials to assess progress and develop future goals and action plans. Work with residents to implement projects and firewise activities.
Key Messages to focus on	<ol style="list-style-type: none"> 1 Defensible Space and Firewise Landscaping 2 Debris Burning Safety 3 Firewise information for homeowners 4 Prescribed burning benefits
Communications objectives	<ol style="list-style-type: none"> 1 Create public awareness for fire danger and defensible space issues 2 Identify most significant human cause fire issues 3 Enlist public support to help prevent these causes 4 Encourage people to employ fire prevention and defensible spaces in their communities.
Target Audiences	<ol style="list-style-type: none"> 1 Homeowners 2 Forest Landowners and users 3 Civic Groups 4 School Groups
Methods	<ol style="list-style-type: none"> 1 News Releases 2 Radio and TV PSA's for area stations and cable access channels 3 Personal Contacts 4 Key messages and prevention tips 5 Visuals such as signs, brochures and posters

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

POTENTIAL FUNDING SOURCES:

As funding is questionable in these times of tight government budgets and economic uncertainty, unconventional means should be identified whereby the need for funding can be reduced or eliminated.

Publications / Brochures –

- FIREWISE materials are available for cost of shipping only at www.firewise.org.
- Another source of mitigation information can be found at www.nfpa.org.
- Access to reduced cost or free of charge copy services should be sought whereby publications can be reproduced.
- Free of charge public meeting areas should be identified where communities could gather to be educated regarding prevention and firewise principles.

Mitigation –

- Community Protection Grant:
 - USFS sponsored prescribed burn program. Communities with at risk properties that lie within 3 miles of the USFS border may apply with the GFC to have their forest land prescribed burned free of charge.
- FEMA Mitigation Policy MRR-2-08-01: through GEMA - Hazard Mitigation Grant Program (HMGP) and Pre Disaster Mitigation (PDM)
 - To provide technical and financial assistance to local governments to assist in the implementation of long term cost effective hazard mitigation measures.
 - 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 fuels reduction to protect life and property.
 - With a complete and registered plan (addendum to the State plan) counties can apply for pre-mitigation funding. They will also be eligible for HMGP if the county is declared under a wildfire disaster.
- GFC - Plowing and burning assistance can be provided through the Georgia Forestry Commission as a low cost option for mitigation efforts.
- Individual Homeowners –
 - In most cases of structural protection ultimately falls on the responsibility of the community and the homeowner. They will bear the cost; yet they will reap the benefit from properly implemented mitigation efforts.
 - GEMA Grant - PDM (See above)

Ultimately it is our goal to help the communities by identifying the communities threatened with a high risk to wildfire and educate those communities on methods to implement on reducing those risks.

Assessment Strategy

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

GEORGIA FORESTRY
COMMISSION



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GaTrees.org

*The Georgia Forestry Commission provides leadership,
service, and education in the protection and conservation of
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Service Provider*

Appendix D

BERRIEN COUNTY
HAZARD FREQUENCY TABLE

Hazard	Number of Events in Historic Record	Number of Years in Historic Record	Number of Events in Past 10 Years	Number of Events in Past 20 Years	Number of Events in Past 50 Years	Historic Recurrence Interval (years)	Historic Frequency % chance/year	Past 10 Year Record Frequency Per Year	Past 20 Year Record Frequency Per Year	Past 50 Year Record Frequency Per Year
Floods	4	68	2	4	4	17.00	5.88	0.2	0.2	0.08
Thunderstorms/Wind	72	68	43	60	71	0.94	105.88	4.3	3	1.42
Hurricanes/Tropical Storms	8	68	3	8	8	8.50	11.76	0.3	0.4	0.16
Drought	27	68	22	23	23	2.52	39.71	2.2	1.15	0.46
Wildfires	4030	50	469	1419	4030	0.01	8060.00	46.9	70.95	80.6
Hail	18	68	6	9	18	3.78	26.47	0.6	0.45	0.36
Tornadoes	11	68	1	1	11	6.18	16.18	0.1	0.05	0.22
Severe Winter Storms	3	68	1	3	3	22.67	4.41	0.1	0.15	0.06

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

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

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

Date:

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.
5. 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 Website map.
3. Determine whether you are in a high-risk area. Get more localized information if necessary.
4. Next to the hazard list below, put a check mark in the Task B boxes beside all hazards that post a significant threat.

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

- Avalanche ___ ___
- Coastal Erosion** ___ ___
- Coastal Storm** ___ ___
- Dam Failure** ___ ___
- Drought X X
- Earthquake** ___ ___
- Expansive Soils ___ ___
- Extreme Heat ___ ___
- Flood** X X
- Hailstorm X X
- Hurricane** X X
- Land Slide ___ ___
- Severe Winter Storm X X
- Tornado** X X
- Tsunami** ___ ___
- Volcano ___ ___
- Wildfire** X X
- Windstorm ___ ___
- Hazard Material ___ ___
- Radiological ___ ___
- Other: Thunderstorm/Wind X X
- Other _____ ___ ___
- Other _____ ___ ___

Hazard or Event Description (Type of hazard, date of event, number of injuries, cost and types of damage, etc.)	Source of Information	Map Available for this Hazard?	Scale of Map

Note: **Bolded** hazards are addressed in this How-to Guide.

GEMA Worksheet #2

Profile Hazard Events Step 2

County:

Date:

How Bad Can It Get?

Task A. Obtain or create a base map.

GEMA will be providing you with a base map, USGS topos and DOQQ as part of our deliverables to local government for the planning process. Additionally, we will be providing you with detailed hazard layer coverages. These data layers originate from state or nationwide coverage or datasets. Therefore, it is important for local government to assess what you already have at the local level. It is important for you at the local level to have an idea of what existing maps you have available for the planning process. Some important things to think about:

- 1) What maps do we already have in the county that would be relevant to the planning process?
- 2) Have other local plans used maps or mapping technology where there is specific data that is also needed in my local plan?
- 3) What digital maps do we have?
- 4) Do we have any Geographic Information System (GIS) data, map themes or layers or databases here at the local level (or regional) that we can use?
- 5) If we do have any GIS data, where is it located at, and who is our local expert?
- 6) Are there any ongoing GIS or mapping initiatives at the local level in other planning or mapping efforts? If so, what are they, and what are the timetables for completion?
- 7) Are there mapping needs that have been identified at the local level in the past? If so, what are they and when were they identified?
- 8) Of the existing maps, GIS data and other digital mapping information, what confidence do we have at the local level that it is accurate data?

Please answer the above questions on a separate sheet of paper and attach to this worksheet.

It is important to realize that those counties that already have GIS and digital mapping, (ie: parcel level data, GPS fire hydrants, etc) higher levels of spatial accuracy and detail will exist for some data layers at the local level. However, for this planning process, that level of detail will not be needed on all layers in the overall mapping and analysis.

You can use existing maps from:

- Road Maps
- USGS topographic maps or Digital Orthophoto Quarter Quads (DOQQ)
- Topographic and/or planimetric maps from other agencies
- Aerial topographic and/or planimetric maps
- Field Surveys
- GIS software
- CADD software
- Digitized paper map

Title of Map	Scale	Date

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

STAPLEE Criteria	S		T			A			P			L			E				E				
	(Social)		(Technical)			(Administrative)			(Political)			(Legal)			(Economic)				(Environmental)				
Considerations → for Alternative Actions ↓	Community Acceptance	Effect on Segment of Population	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance / Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land / Water	Effect on Endangered Species	Effect on HAZMAT / Waste Sites	Consistent with Community Environmental Goals	Consistent With Federal Laws
The Town of Enigma will join the National Flood Insurance Program as soon as possible.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	+	N/A
Attempt to take precautions at water facilities in unincorporated Berrien County and the Cities of Alapaha, Enigma, Nashville, and Ray City to ensure flood protection, as funds become available to do so.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	+	N/A
Work to alleviate evacuation & emergency access problems in various subdivisions and in other areas in Berrien County and the Town of Alapaha and the Cities of Enigma, Nashville and Ray City	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Attempt to take precautions at the oxidation pond (subject to flooding by Beaver Dam Creek and Cat Creek) in Ray City and at the oxidation pond in Alapaha as funds become available to do so.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A

STAPLEE Criteria	S		T			A			P			L			E			E					
	(Social)		(Technical)			(Administrative)			(Political)			(Legal)			(Economic)			(Environmental)					
Considerations → for Alternative Actions ↓	Community Acceptance	Effect on Segment of Population	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance / Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land / Water	Effect on Endangered Species	Effect on HAZMAT / Waste Sites	Consistent with Community Environmental Goals	Consistent With Federal Laws
After flood events, or other hazard events in Berrien County and the Cities of Alapaha, Enigma, Nashville, and Ray City, attempt to perform analysis on properties affected to determine if events have occurred in the past and attempt to mitigate or purchase, if necessary.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	+	N/A

Worksheet #4 Evaluate Alternative Mitigation Actions

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

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

Goal #2: Prevent or reduce damage caused by Thunderstorms and Winds in Berrien County and in the Cities of Alapaha, Enigma, Nashville, and Ray City.

Objective #2.1: Minimize losses to existing and future structures, especially Critical Facilities and Infrastructure, due to Thunderstorms and Winds.

STAPLEE Criteria	S		T			A			P			L			E								
	(Social)		(Technical)			(Administrative)			(Political)			(Legal)			(Economic)				(Environmental)				
Considerations → for Alternative Actions ↓	Community Acceptance	Effect on Segment of Population	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance / Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land / Water	Effect on Endangered Species	Effect on HAZMAT / Waste Sites	Consistent with Community Environmental Goals	Consistent With Federal Laws
Educate the public concerning wind ratings and encourage new construction to be built to those minimum wind standards, including the wind retrofitting of Critical Facilities and existing buildings in Berrien County and the Cities of Alapaha, Enigma, Nashville, and Ray City.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Study Critical Facilities in Berrien County and the Cities of Alapaha, Enigma, Nashville, and Ray City to determine if they require wind retrofitting.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A

Worksheet #4 Evaluate Alternative Mitigation Actions

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

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

Goal 3: Prevent or reduce damage caused by Hurricanes/Tropical Storms in Berrien County and the Cities of Alapaha, Enigma, Nashville, and Ray City.

Objective 3.1: Minimize losses to existing and future structures, especially Critical Facilities and Infrastructure, and the public, due to Hurricanes/Tropical Storms.

STAPLEE Criteria	S		T			A			P			L			E			E					
	(Social)		(Technical)			(Administrative)			(Political)			(Legal)			(Economic)			(Environmental)					
Considerations → for Alternative Actions ↓	Community Acceptance	Effect on Segment of Population	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance / Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land / Water	Effect on Endangered Species	Effect on HAZMAT / Waste Sites	Consistent with Community Environmental Goals	Consistent With Federal Laws
Work with GDOT to improve unsafe roads in Berrien County and the Cities of Alapaha, Enigma, Nashville, and Ray City that already are, or could be, evacuation routes.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A

Worksheet #4 Evaluate Alternative Mitigation Actions

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

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

Goal 3: Prevent or reduce damage caused by Hurricanes/Tropical Storms in Berrien County and the Cities of Alapaha, Enigma, Nashville, and Ray City.

Objective #3.2: Advise the public of health & safety precautions and procedures necessary during Hurricanes/Tropical Storms and other events and on pre-disaster mitigation, in general, in Berrien County and the Cities of Alapaha, Enigma, Nashville, and Ray City.

STAPLEE Criteria	S		T			A			P			L			E			E					
	(Social)		(Technical)			(Administrative)			(Political)			(Legal)			(Economic)			(Environmental)					
Considerations → for Alternative Actions ↓	Community Acceptance	Effect on Segment of Population	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance / Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land / Water	Effect on Endangered Species	Effect on HAZMAT / Waste Sites	Consistent with Community Environmental Goals	Consistent With Federal Laws
Acquire and distribute information concerning pre-disaster mitigation to area news markets, on social media, and in other appropriate outlets in Berrien County and the Cities of Alapaha, Enigma, Nashville, and Ray City	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A

Worksheet #4 Evaluate Alternative Mitigation Actions

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

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

Goal 3: Prevent or reduce damage caused by Hurricanes/Tropical Storms in Berrien County and the Cities of Alapaha, Enigma, Nashville, and Ray City.

Objective #3.3: Ensure reliable electrical power and communications efficiency at Critical Facilities and among agencies during Hurricanes/Tropical Storms and other events in Berrien County and the Cities of Alapaha, Enigma, Nashville, and Ray City.

STAPLEE Criteria	S		T			A			P			L			E								
	(Social)		(Technical)			(Administrative)			(Political)			(Legal)			(Economic)				(Environmental)				
Considerations → for Alternative Actions ↓	Community Acceptance	Effect on Segment of Population	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance / Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land / Water	Effect on Endangered Species	Effect on HAZMAT / Waste Sites	Consistent with Community Environmental Goals	Consistent With Federal Laws
Purchase and install portable and fixed generators (including transfer switches and pre-wiring) and trailers for use at Critical Facilities, gas pumps, and other locations where they are needed in Berrien County and the Cities of Alapaha, Enigma, Nashville, and Ray City	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Create a list of generators, trailers, and gas pumps for use in Berrien County and the Cities of Alapaha, Enigma, Nashville, and Ray City	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A

Worksheet #4 Evaluate Alternative Mitigation Actions

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

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

Goal #4: Prevent or reduce damage caused by Drought in Berrien County and the Cities of Alapaha, Enigma, Nashville, and Ray City.

Objective #4.1: Minimize losses to existing and future structures, especially Critical Facilities and Infrastructure, due to Drought.

STAPLEE Criteria	S		T			A			P			L			E								
	(Social)		(Technical)			(Administrative)			(Political)			(Legal)			(Economic)				(Environmental)				
Considerations → for Alternative Actions ↓	Community Acceptance	Effect on Segment of Population	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance / Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land / Water	Effect on Endangered Species	Effect on HAZMAT / Waste Sites	Consistent with Community Environmental Goals	Consistent With Federal Laws
Work with DCA, Seven Rivers RC&D, and other appropriate organizations to provide wells to low-moderate income individuals affected by Drought in Berrien County and the Cities of Alapaha, Enigma, Nashville, and Ray City	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Replace antiquated water & sewer lines and equipment prone to failure in unincorporated Berrien County and the Cities of Alapaha, Enigma, Nashville, and Ray City through CDBG grant funds and other funds when available.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Promote increased usage of surface water and surface artesian flow for irrigation instead of well systems in Berrien County and the Cities of Alapaha, Enigma, Nashville, and Ray City	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A

Worksheet #4 Evaluate Alternative Mitigation Actions

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

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

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

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

Goal #5: Prevent or reduce damage caused by Wildfire in Berrien County and the Cities of Alapaha, Enigma, Nashville, and Ray City.

Objective #5.1: Minimize losses to existing and future structures, especially Critical Facilities and Infrastructure, and woodlands due to wildfire.

STAPLEE Criteria	S		T			A			P			L			E			E					
	(Social)		(Technical)			(Administrative)			(Political)			(Legal)			(Economic)			(Environmental)					
Considerations → for Alternative Actions ↓	Community Acceptance	Effect on Segment of Population	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance / Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land / Water	Effect on Endangered Species	Effect on HAZMAT / Waste Sites	Consistent with Community Environmental Goals	Consistent With Federal Laws
Provide additional first responder training, air units, air unit chargers, Class A Pumper & Fire Knocker trucks and other equipment to all Berrien County Volunteer, the Town of Alapaha and the Cities of Enigma, Nashville and Ray City Fire Departments for Wildfire use	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A

STAPLEE Criteria	S		T			A			P			L			E								
	(Social)		(Technical)			(Administrative)			(Political)			(Legal)			(Economic)				(Environmental)				
Considerations → for Alternative Actions ↓	Community Acceptance	Effect on Segment of Population	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance / Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land / Water	Effect on Endangered Species	Effect on HAZMAT / Waste Sites	Consistent with Community Environmental Goals	Consistent With Federal Laws
Partner with the Georgia Forestry Commission and other relevant personnel to train all Berrien County, Town of Alapaha and Town of Enigma, Nashville and Ray City Fire Departments on Wildfire strategy and tactics	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Support & enforce GA Forestry Commission burn ordinances and bans and promote hazardous fuel reduction by prescribed burning, mechanical or chemical treatment carried out and promoted by the GA Forestry in Berrien County and the Cities of Alapaha, Enigma, Nashville, and Ray City	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Develop and equip a Hazardous Materials Team to deal with agricultural chemicals during wildfire events.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A

STAPLEE Criteria	S		T			A			P			L			E				E				
	(Social)		(Technical)			(Administrative)			(Political)			(Legal)			(Economic)				(Environmental)				
Considerations → for Alternative Actions ↓	Community Acceptance	Effect on Segment of Population	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance / Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land / Water	Effect on Endangered Species	Effect on HAZMAT / Waste Sites	Consistent with Community Environmental Goals	Consistent With Federal Laws
In the Town of Alapaha and the Town of Enigma, replace the four inch (4") (and smaller) water lines with six inch (6") water lines and hydrants.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Encourage agencies and private property owners to trim tree lines and create fire buffers/breaks around Critical Facilities, new and existing homes, businesses and utilities in Berrien County and the Cities of Alapaha, Enigma, Nashville, and Ray City	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Create new ordinances and enforce existing ordinances for new and existing construction that will help in the pre-disaster mitigation of wildfire	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Work with developers and homeowners to pre-plan each building site and/or subdivision to help in pre-disaster mitigation of wildfire	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A

STAPLEE Criteria	S		T			A			P			L			E			E					
	(Social)		(Technical)			(Administrative)			(Political)			(Legal)			(Economic)			(Environmental)					
Considerations → for Alternative Actions ↓	Community Acceptance	Effect on Segment of Population	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance / Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land / Water	Effect on Endangered Species	Effect on HAZMAT / Waste Sites	Consistent with Community Environmental Goals	Consistent With Federal Laws
Working with the Georgia Forestry Commission and others, conduct a survey and assessment of areas and communities in Berrien County and the Cities of Alapaha, Enigma, Nashville, and Ray City that are at risk of Wildfire, assess the level of threats, evaluate resources and tactics and recommend improvements.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A

Worksheet #4 Evaluate Alternative Mitigation Actions

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

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

Goal #5: Prevent or reduce damage caused by Wildfire in Berrien County and the Cities of Alapaha, Enigma, Nashville, and Ray City.

Objective #5.2: Obtain a FireWise Community Status by educating the Berrien County, Town of Alapaha and Town of Enigma, Nashville and Ray City Fire Department personnel and the public on the hazards of Wildfire and the pre-disaster mitigation thereof.

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

Worksheet #4 Evaluate Alternative Mitigation Actions

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

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

Goal #6: Prevent or reduce damage caused by Hail in Berrien County and the Cities of Alapaha, Enigma, Nashville, and Ray City.

Objective #6.1: Minimize losses to existing and future structures, especially Critical Facilities and Infrastructure, due to Hail in Berrien County and the Cities of Alapaha, Enigma, Nashville, and Ray City.

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

Worksheet #4 Evaluate Alternative Mitigation Actions

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

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

Goal #7: Prevent or reduce damage caused by Tornadoes in Berrien County and the Cities of Alapaha, Enigma, Nashville, and Ray City.

Objective #7.1: Minimize losses to existing and future structures, especially Critical Facilities and Infrastructure, due to Tornadoes.

STAPLEE Criteria	S		T			A			P			L			E								
	(Social)		(Technical)			(Administrative)			(Political)			(Legal)			(Economic)				(Environmental)				
Considerations → for Alternative Actions ↓	Community Acceptance	Effect on Segment of Population	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance / Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land / Water	Effect on Endangered Species	Effect on HAZMAT / Waste Sites	Consistent with Community Environmental Goals	Consistent With Federal Laws
Use building inspection program to inspect for adequate tie-downs on manufactured housing in Berrien County and the Cities of Alapaha, Enigma, Nashville, and Ray City	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Plan for pre-disaster mitigation in Tornado & other hazard seasons by preparing public service announcements, brochures and solicit business participation in distributing information.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Secure funding for a hazardous weather alert system (horn) in the Town of Alapaha, the Cities of Enigma, Nashville and Ray City and in populated areas of Berrien County	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Develop a public list of an updated address based system to physically notify and check on high risk residents both before and after natural disaster events in the Town of Alapaha, the Cities of Enigma, Nashville and Ray City and in populated areas of Berrien County	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A

Worksheet #4 Evaluate Alternative Mitigation Actions

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

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

Goal #8: Prevent or reduce damage caused by Severe Winter Storms in Berrien County and the Cities of Alapaha, Enigma, Nashville, and Ray City.

Objective #8.1: Minimize losses to existing and future structures, especially Critical Facilities and Infrastructure, due to Severe Winter Storms.

STAPLEE Criteria	S		T			A			P			L			E			E					
	(Social)		(Technical)			(Administrative)			(Political)			(Legal)			(Economic)			(Environmental)					
Considerations → for Alternative Actions ↓	Community Acceptance	Effect on Segment of Population	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance / Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land / Water	Effect on Endangered Species	Effect on HAZMAT / Waste Sites	Consistent with Community Environmental Goals	Consistent With Federal Laws
Continue the policy of wrapping exposed piping with insulation and installing new insulation layers at critical facilities in Berrien County and the Cities of Alapaha, Enigma, Nashville, and Ray City	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Maintain temperatures above 32 degrees to prevent freezing in government owned occupied and unoccupied structures in Berrien County and the Cities of Alapaha, Enigma, Nashville, and Ray City.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
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 Berrien County and the Cities of Alapaha, Enigma, Nashville, and Ray City.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A

Appendix E

Southern Georgia Regional Commission
Berrien County and the Cities of Alapaha, Enigma, Nashville, and Ray City
Hazard Mitigation Plan Update – Kick-off meeting
Date: March 6, 2018

Name	Organization	Title	Email
Ariel Godwin	SGRC	Planner	agodwin@sgrc.us
Angie Rutland	Berrien Co. EMA	Director	berrien911director@gmail.com
Shelby Meyers	GEMA/HS		
Robert Mikkell	Berrien EMA	Dep. Director	supervisor911@GMAA.com
Bexum Egan	Mayor Ray City	Mayor	bexum@raycityga.gov
Ronald Knowles	N.P.D.	Cpt.	RKnowles91@yahoo.com
Steve T. Miller	Ray City P.D	Police Chief	smiller@raycityga.gov

Appendix F

Storm Events Database

Search Results for Berrien County, Georgia

Event Types: [Flash Flood](#), [Flood](#)

Berrien county contains the following zones:

'[Berrien](#)'

4 events were reported between 01/01/1950 and 05/28/2018 (24985 days)

Summary Info:

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

Column Definitions:

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

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

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

Sort By: ▼

<u>Location</u>	<u>County/Zone</u>	<u>St.</u>	<u>Date</u>	<u>Time</u>	<u>T.Z.</u>	<u>Type</u>	<u>Mag</u>	<u>Dth</u>	<u>Inj</u>	<u>PrD</u>	<u>CrD</u>
Totals:								0	0	75.00K	0.00K
COUNTYWIDE	BERRIEN CO.	GA	09/06/2000	07:45	EST	Flash Flood		0	0	75.00K	0.00K
NASHVILLE	BERRIEN CO.	GA	09/05/2003	22:15	EST	Flash Flood		0	0	0.00K	0.00K
ENIGMA	BERRIEN CO.	GA	08/08/2012	05:19	EST-5	Flash Flood		0	0	0.00K	0.00K
GLADYS	BERRIEN CO.	GA	12/24/2014	10:30	EST-5	Flash Flood		0	0	0.00K	0.00K
Totals:								0	0	75.00K	0.00K

Storm Events Database

Search Results for Berrien County, Georgia

Event Types: **Thunderstorm Wind**

93 events were reported between 01/01/1950 and 05/28/2018 (24985 days)

Summary Info:

Number of County/Zone areas affected:	1
Number of Days with Event:	72
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:	48
Number of Days with Event and Crop Damage:	0
Number of Event Types reported:	1

Column Definitions:

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

Wind Magnitude Definitions:

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

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

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

Select:

Sort By:

Location	County/Zone	St.	Date	Time	T.Z.	Type	Mag	Dth	Inj	PrD	CrD
Totals:								0	0	727.25K	0.00K
BERRIEN CO.	BERRIEN CO.	GA	03/18/1961	10:30	CST	Thunderstorm Wind	0 kts.	0	0	0.00K	0.00K
BERRIEN CO.	BERRIEN CO.	GA	08/04/1977	14:00	CST	Thunderstorm Wind	0 kts.	0	0	0.00K	0.00K
BERRIEN CO.	BERRIEN CO.	GA	04/13/1979	18:00	CST	Thunderstorm Wind	0 kts.	0	0	0.00K	0.00K
BERRIEN CO.	BERRIEN CO.	GA	07/06/1980	18:15	CST	Thunderstorm Wind	55 kts.	0	0	0.00K	0.00K
BERRIEN CO.	BERRIEN CO.	GA	12/05/1983	21:30	CST	Thunderstorm Wind	0 kts.	0	0	0.00K	0.00K
BERRIEN CO.	BERRIEN CO.	GA	12/28/1983	02:00	CST	Thunderstorm Wind	0 kts.	0	0	0.00K	0.00K
BERRIEN CO.	BERRIEN CO.	GA	03/05/1984	17:25	CST	Thunderstorm Wind	0 kts.	0	0	0.00K	0.00K
BERRIEN CO.	BERRIEN CO.	GA	06/08/1989	19:40	CST	Thunderstorm Wind	0 kts.	0	0	0.00K	0.00K
BERRIEN CO.	BERRIEN CO.	GA	02/10/1990	07:25	CST	Thunderstorm Wind	0 kts.	0	0	0.00K	0.00K
BERRIEN CO.	BERRIEN CO.	GA	03/03/1991	13:30	CST	Thunderstorm Wind	0 kts.	0	0	0.00K	0.00K
BERRIEN CO.	BERRIEN CO.	GA	03/29/1991	17:45	CST	Thunderstorm Wind	0 kts.	0	0	0.00K	0.00K
BERRIEN CO.	BERRIEN CO.	GA	04/30/1991	16:40	CST	Thunderstorm Wind	0 kts.	0	0	0.00K	0.00K
BERRIEN CO.	BERRIEN CO.	GA	07/10/1991	16:30	CST	Thunderstorm Wind	0 kts.	0	0	0.00K	0.00K
Enigma	BERRIEN CO.	GA	06/11/1994	14:40	EST	Thunderstorm Wind	0 kts.	0	0	5.00K	0.00K
Nashville	BERRIEN CO.	GA	06/24/1994	18:10	EST	Thunderstorm Wind	0 kts.	0	0	5.00K	0.00K
Alapaha	BERRIEN CO.	GA	07/08/1994	19:01	EST	Thunderstorm Wind	0 kts.	0	0	0.00K	0.00K
Nashville	BERRIEN CO.	GA	11/07/1995	18:00	EST	Thunderstorm Wind	0 kts.	0	0	1.00K	0.00K
COUNTYWIDE	BERRIEN CO.	GA	06/05/1998	19:25	EST	Thunderstorm Wind		0	0	5.00K	0.00K
COUNTYWIDE	BERRIEN CO.	GA	07/14/2000	16:45	EST	Thunderstorm Wind		0	0	0.50K	0.00K
NASHVILLE	BERRIEN CO.	GA	08/09/2000	18:15	EST	Thunderstorm Wind		0	0	0.50K	0.00K
COUNTYWIDE	BERRIEN CO.	GA	06/22/2001	14:45	EST	Thunderstorm Wind		0	0	10.00K	0.00K
COUNTYWIDE	BERRIEN CO.	GA	12/24/2002	10:15	EST	Thunderstorm Wind	50 kts. EG	0	0	5.00K	0.00K
NASHVILLE	BERRIEN CO.	GA	03/17/2003	16:50	EST	Thunderstorm Wind	50 kts. EG	0	0	2.00K	0.00K
COUNTYWIDE	BERRIEN CO.	GA	05/02/2003	23:10	EST	Thunderstorm Wind	50 kts. EG	0	0	2.00K	0.00K
COUNTYWIDE	BERRIEN CO.	GA	04/08/2006	14:55	EST	Thunderstorm Wind	55 kts. EG	0	0	2.00K	0.00K
COUNTYWIDE	BERRIEN CO.	GA	05/10/2006	19:25	EST	Thunderstorm Wind	55 kts. EG	0	0	10.00K	0.00K
NASHVILLE	BERRIEN CO.	GA	08/08/2006	15:45	EST	Thunderstorm Wind	55 kts. EG	0	0	0.25K	0.00K

ALAPAHA	BERRIEN CO.	GA	06/05/2007	20:15	EST-5	Thunderstorm Wind	55 kts. EG	0	0	50.00K	0.00K
NASHVILLE	BERRIEN CO.	GA	07/01/2007	16:35	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.25K	0.00K
ALAPAHA	BERRIEN CO.	GA	01/07/2009	05:45	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
ALAPAHA	BERRIEN CO.	GA	02/28/2009	15:23	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
NEW LOIS	BERRIEN CO.	GA	05/27/2009	19:05	EST-5	Thunderstorm Wind	50 kts. EG	0	0	5.00K	0.00K
ALAPAHA	BERRIEN CO.	GA	06/18/2009	21:10	EST-5	Thunderstorm Wind	50 kts. EG	0	0	3.00K	0.00K
WEBER	BERRIEN CO.	GA	06/28/2009	14:05	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
ALAPAHA	BERRIEN CO.	GA	07/02/2009	15:45	EST-5	Thunderstorm Wind	55 kts. EG	0	0	50.00K	0.00K
NASHVILLE	BERRIEN CO.	GA	07/02/2009	15:50	EST-5	Thunderstorm Wind	60 kts. EG	0	0	300.00K	0.00K
RAY CITY	BERRIEN CO.	GA	07/02/2009	15:55	EST-5	Thunderstorm Wind	50 kts. EG	0	0	50.00K	0.00K
ALLENVILLE	BERRIEN CO.	GA	07/29/2009	15:54	EST-5	Thunderstorm Wind	55 kts. EG	0	0	5.00K	0.00K
ENIGMA	BERRIEN CO.	GA	06/16/2010	18:52	EST-5	Thunderstorm Wind	50 kts. EG	0	0	1.00K	0.00K
ENIGMA	BERRIEN CO.	GA	06/20/2010	18:50	EST-5	Thunderstorm Wind	50 kts. EG	0	0	2.50K	0.00K
ALAPAHA	BERRIEN CO.	GA	06/27/2010	17:40	EST-5	Thunderstorm Wind	50 kts. EG	0	0	6.25K	0.00K
RAY CITY	BERRIEN CO.	GA	07/28/2010	15:30	EST-5	Thunderstorm Wind	55 kts. EG	0	0	30.00K	0.00K
ENIGMA	BERRIEN CO.	GA	06/17/2011	18:10	EST-5	Thunderstorm Wind	50 kts. EG	0	0	8.00K	0.00K
NASHVILLE	BERRIEN CO.	GA	06/17/2011	18:15	EST-5	Thunderstorm Wind	50 kts. EG	0	0	8.00K	0.00K
ALAPAHA	BERRIEN CO.	GA	06/17/2011	18:15	EST-5	Thunderstorm Wind	50 kts. EG	0	0	8.00K	0.00K
RAY CITY	BERRIEN CO.	GA	06/23/2011	16:19	EST-5	Thunderstorm Wind	50 kts. EG	0	0	3.00K	0.00K
RAY CITY	BERRIEN CO.	GA	06/23/2011	16:19	EST-5	Thunderstorm Wind	50 kts. EG	0	0	3.00K	0.00K
NASHVILLE	BERRIEN CO.	GA	06/28/2011	17:05	EST-5	Thunderstorm Wind	50 kts. EG	0	0	6.00K	0.00K
RAY CITY	BERRIEN CO.	GA	07/14/2011	17:00	EST-5	Thunderstorm Wind	50 kts. EG	0	0	2.00K	0.00K
NASHVILLE	BERRIEN CO.	GA	02/18/2012	22:33	EST-5	Thunderstorm Wind	50 kts. EG	0	0	5.00K	0.00K
ALAPAHA	BERRIEN CO.	GA	05/22/2012	18:10	EST-5	Thunderstorm Wind	50 kts. EG	0	0	3.00K	0.00K
NASHVILLE	BERRIEN CO.	GA	07/10/2012	18:20	EST-5	Thunderstorm Wind	50 kts. EG	0	0	60.00K	0.00K
WEBER	BERRIEN CO.	GA	07/17/2012	12:18	EST-5	Thunderstorm Wind	50 kts. EG	0	0	2.00K	0.00K
ENIGMA	BERRIEN CO.	GA	07/17/2012	12:42	EST-5	Thunderstorm Wind	50 kts. EG	0	0	3.00K	0.00K
ENIGMA	BERRIEN CO.	GA	12/17/2012	14:02	EST-5	Thunderstorm Wind	50 kts. EG	0	0	2.00K	0.00K
ALAPAHA	BERRIEN CO.	GA	01/30/2013	19:45	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.50K	0.00K
NASHVILLE	BERRIEN CO.	GA	03/23/2013	10:15	EST-5	Thunderstorm Wind	50 kts. EG	0	0	7.00K	0.00K
NASHVILLE-BERRIEN ARPT	BERRIEN CO.	GA	03/23/2013	10:17	EST-5	Thunderstorm Wind	50 kts. EG	0	0	1.00K	0.00K
ALAPAHA	BERRIEN CO.	GA	05/21/2013	19:06	EST-5	Thunderstorm Wind	50 kts. EG	0	0	1.00K	0.00K
ALAPAHA	BERRIEN CO.	GA	07/05/2013	15:30	EST-5	Thunderstorm Wind	50 kts. EG	0	0	2.00K	0.00K
RAY CITY	BERRIEN CO.	GA	08/21/2013	13:57	EST-5	Thunderstorm Wind	50 kts. EG	0	0	3.00K	0.00K
ALLENVILLE	BERRIEN CO.	GA	08/21/2013	14:10	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
NASHVILLE	BERRIEN CO.	GA	03/16/2014	13:18	EST-5	Thunderstorm Wind	50 kts. EG	0	0	1.00K	0.00K
RAY CITY	BERRIEN CO.	GA	06/21/2014	18:05	EST-5	Thunderstorm Wind	50 kts. EG	0	0	1.00K	0.00K
NASHVILLE	BERRIEN CO.	GA	08/19/2014	15:45	EST-5	Thunderstorm Wind	50 kts. EG	0	0	1.00K	0.00K
ALAPAHA	BERRIEN CO.	GA	04/25/2015	19:23	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
NASHVILLE	BERRIEN CO.	GA	04/25/2015	19:27	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
NASHVILLE	BERRIEN CO.	GA	05/19/2015	14:50	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.50K	0.00K
NASHVILLE	BERRIEN CO.	GA	06/03/2015	18:15	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
NASHVILLE-BERRIEN ARPT	BERRIEN CO.	GA	06/03/2015	18:15	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
NASHVILLE-BERRIEN ARPT	BERRIEN CO.	GA	06/03/2015	18:15	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
WEBER	BERRIEN CO.	GA	06/03/2015	18:35	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
ALLENVILLE	BERRIEN CO.	GA	06/03/2015	18:39	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
RAY CITY	BERRIEN CO.	GA	06/12/2015	18:40	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
WEBER	BERRIEN CO.	GA	06/12/2015	19:25	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
BANNOCKBURN	BERRIEN CO.	GA	06/12/2015	19:35	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
ENIGMA	BERRIEN CO.	GA	07/02/2015	15:30	EST-5	Thunderstorm Wind	55 kts. EG	0	0	5.00K	0.00K
NASHVILLE	BERRIEN CO.	GA	07/05/2015	12:20	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
ALLENVILLE	BERRIEN CO.	GA	07/05/2015	12:24	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
NASHVILLE	BERRIEN CO.	GA	07/23/2015	17:20	EST-5	Thunderstorm Wind	55 kts. EG	0	0	0.00K	0.00K
NASHVILLE	BERRIEN CO.	GA	03/03/2016	22:00	EST-5	Thunderstorm Wind	55 kts. EG	0	0	25.00K	0.00K
WEBER	BERRIEN CO.	GA	04/01/2016	15:57	EST-5	Thunderstorm Wind	50 kts. EG	0	0	3.00K	0.00K
RAY CITY	BERRIEN CO.	GA	04/01/2016	16:00	EST-5	Thunderstorm Wind	50 kts. EG	0	0	2.00K	0.00K
ENIGMA	BERRIEN CO.	GA	06/16/2016	17:05	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
NASHVILLE	BERRIEN CO.	GA	06/17/2016	21:20	EST-5	Thunderstorm Wind	50 kts. EG	0	0	3.00K	0.00K

WEBER	BERRIEN CO.	GA	06/17/2016	21:20	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
NASHVILLE	BERRIEN CO.	GA	07/19/2016	16:50	EST-5	Thunderstorm Wind	50 kts. EG	0	0	3.00K	0.00K
RAY CITY	BERRIEN CO.	GA	07/19/2016	17:00	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
WEBER	BERRIEN CO.	GA	08/14/2016	19:00	EST-5	Thunderstorm Wind	50 kts. EG	0	0	2.00K	0.00K
ALLENVILLE	BERRIEN CO.	GA	08/14/2016	19:00	EST-5	Thunderstorm Wind	55 kts. EG	0	0	0.00K	0.00K
NASHVILLE	BERRIEN CO.	GA	05/24/2017	16:02	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
NASHVILLE	BERRIEN CO.	GA	05/24/2017	16:02	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
ENIGMA	BERRIEN CO.	GA	07/15/2017	15:00	EST-5	Thunderstorm Wind	50 kts. EG	0	0	2.00K	0.00K
Totals:								0	0	727.25K	0.00K

Storm Events Database

Search Results for Berrien County, Georgia

Event Types: [Hurricane \(Typhoon\)](#), [Tropical Storm](#)

Berrien county contains the following zones:

'[Berrien](#)'

8 events were reported between 01/01/1950 and 05/28/2018 (24985 days)

Summary Info:

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:	0
Number of Days with Event and Property Damage:	6
Number of Days with Event and Crop Damage:	0
Number of Event Types reported:	2

Column Definitions:

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

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

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

Sort By: ▼

<u>Location</u>	<u>County/Zone</u>	<u>St.</u>	<u>Date</u>	<u>Time</u>	<u>T.Z.</u>	<u>Type</u>	<u>Mag</u>	<u>Dth</u>	<u>Inj</u>	<u>PrD</u>	<u>CrD</u>
Totals:								0	0	1.270M	0.00K
BERRIEN (ZONE)	BERRIEN (ZONE)	GA	09/03/1998	00:00	EST	Tropical Storm		0	0	10.00K	0.00K
BERRIEN (ZONE)	BERRIEN (ZONE)	GA	09/05/2004	16:00	EST	Tropical Storm		0	0	10.00K	0.00K
BERRIEN (ZONE)	BERRIEN (ZONE)	GA	09/26/2004	18:00	EST	Tropical Storm		0	0	75.00K	0.00K
BERRIEN (ZONE)	BERRIEN (ZONE)	GA	07/09/2005	18:00	EST	Hurricane (typhoon)		0	0	100.00K	0.00K
BERRIEN (ZONE)	BERRIEN (ZONE)	GA	06/12/2006	12:00	EST	Tropical Storm		0	0	0.00K	0.00K
BERRIEN (ZONE)	BERRIEN (ZONE)	GA	08/22/2008	12:00	EST-5	Tropical Storm		0	0	0.00K	0.00K
BERRIEN (ZONE)	BERRIEN (ZONE)	GA	09/02/2016	00:00	EST-5	Tropical Storm		0	0	75.00K	0.00K
BERRIEN (ZONE)	BERRIEN (ZONE)	GA	09/10/2017	22:00	EST-5	Tropical Storm		0	0	1.000M	0.00K
Totals:								0	0	1.270M	0.00K

Storm Events Database

Search Results for Berrien County, Georgia

Event Types: **Drought**

Berrien county contains the following zones:

'Berrien'

27 events were reported between 01/01/1950 and 05/28/2018 (24985 days)

Summary Info:

Number of County/Zone areas affected:	1
Number of Days with Event:	27
Number of Days with Event and Death:	0
Number of Days with Event and Death or Injury:	0
Number of Days with Event and Property Damage:	0
Number of Days with Event and Crop Damage:	0
Number of Event Types reported:	1

Column Definitions:

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

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

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

Sort By: ▼

Location	County/Zone	St.	Date	Time	T.Z.	Type	Mag	Dth	Inj	PrD	CrD
Totals:								0	0	0.00K	0.00K
BERRIEN (ZONE)	BERRIEN (ZONE)	GA	09/01/1997	00:00	EST	Drought		0	0	0.00K	0.00K
BERRIEN (ZONE)	BERRIEN (ZONE)	GA	11/01/2010	00:00	EST-5	Drought		0	0	0.00K	0.00K
BERRIEN (ZONE)	BERRIEN (ZONE)	GA	12/01/2010	00:00	EST-5	Drought		0	0	0.00K	0.00K
BERRIEN (ZONE)	BERRIEN (ZONE)	GA	01/01/2011	00:00	EST-5	Drought		0	0	0.00K	0.00K
BERRIEN (ZONE)	BERRIEN (ZONE)	GA	02/01/2011	00:00	EST-5	Drought		0	0	0.00K	0.00K
BERRIEN (ZONE)	BERRIEN (ZONE)	GA	03/01/2011	00:00	EST-5	Drought		0	0	0.00K	0.00K
BERRIEN (ZONE)	BERRIEN (ZONE)	GA	04/01/2011	00:00	EST-5	Drought		0	0	0.00K	0.00K
BERRIEN (ZONE)	BERRIEN (ZONE)	GA	05/01/2011	00:00	EST-5	Drought		0	0	0.00K	0.00K
BERRIEN (ZONE)	BERRIEN (ZONE)	GA	06/01/2011	00:00	EST-5	Drought		0	0	0.00K	0.00K
BERRIEN (ZONE)	BERRIEN (ZONE)	GA	07/01/2011	00:00	EST-5	Drought		0	0	0.00K	0.00K
BERRIEN (ZONE)	BERRIEN (ZONE)	GA	08/01/2011	00:00	EST-5	Drought		0	0	0.00K	0.00K
BERRIEN (ZONE)	BERRIEN (ZONE)	GA	09/01/2011	00:00	EST-5	Drought		0	0	0.00K	0.00K
BERRIEN (ZONE)	BERRIEN (ZONE)	GA	10/01/2011	00:00	EST-5	Drought		0	0	0.00K	0.00K
BERRIEN (ZONE)	BERRIEN (ZONE)	GA	11/01/2011	00:00	EST-5	Drought		0	0	0.00K	0.00K
BERRIEN (ZONE)	BERRIEN (ZONE)	GA	12/01/2011	00:00	EST-5	Drought		0	0	0.00K	0.00K
BERRIEN (ZONE)	BERRIEN (ZONE)	GA	01/01/2012	00:00	EST-5	Drought		0	0	0.00K	0.00K
BERRIEN (ZONE)	BERRIEN (ZONE)	GA	02/01/2012	00:00	EST-5	Drought		0	0	0.00K	0.00K
BERRIEN (ZONE)	BERRIEN (ZONE)	GA	03/01/2012	00:00	EST-5	Drought		0	0	0.00K	0.00K
BERRIEN (ZONE)	BERRIEN (ZONE)	GA	04/01/2012	00:00	EST-5	Drought		0	0	0.00K	0.00K
BERRIEN (ZONE)	BERRIEN (ZONE)	GA	05/01/2012	00:00	EST-5	Drought		0	0	0.00K	0.00K
BERRIEN (ZONE)	BERRIEN (ZONE)	GA	06/01/2012	00:00	EST-5	Drought		0	0	0.00K	0.00K
BERRIEN (ZONE)	BERRIEN (ZONE)	GA	01/01/2013	00:00	EST-5	Drought		0	0	0.00K	0.00K
BERRIEN (ZONE)	BERRIEN (ZONE)	GA	02/01/2013	00:00	EST-5	Drought		0	0	0.00K	0.00K
BERRIEN (ZONE)	BERRIEN (ZONE)	GA	08/26/2014	00:00	EST-5	Drought		0	0	0.00K	0.00K
BERRIEN (ZONE)	BERRIEN (ZONE)	GA	09/01/2014	00:00	EST-5	Drought		0	0	0.00K	0.00K
BERRIEN (ZONE)	BERRIEN (ZONE)	GA	11/22/2016	00:00	EST-5	Drought		0	0	0.00K	0.00K
BERRIEN (ZONE)	BERRIEN (ZONE)	GA	12/01/2016	00:00	EST-5	Drought		0	0	0.00K	0.00K
Totals:								0	0	0.00K	0.00K

Acreage Burned /Number of Fires For Berrien County For FY 1968-2018		
Year	Acreage Burned	Number of Fires
1968	927.75	127
1969	508.07	100
1970	215.24	64
1971	559.42	89
1972	209.07	76
1973	288.38	98
1974	321.64	118
1975	211.36	49
1976	325.58	78
1977	367.75	82
1978	347.85	94
1979	532.57	117
1980	104.32	44
1981	1,634.89	194
1982	484.84	68
1983	87.13	44
1984	193.25	72
1985	826.76	167
1986	285.42	73
1987	333.08	61
1988	528.63	122
1989	1,005.35	110
1990	149.48	51
1991	731.82	81
1992	230.74	76
1993	202.22	67
1994	368.91	110
1995	45.8	23
1996	465.39	98
1997	208.55	58
1998	194.07	72
1999	421.07	118
2000	622.54	172
2001	270.21	85
2002	837.76	137
2003	103.6	44
2004	175.92	59
2005	72.64	38
2006	294.79	82
2007	1,495.62	143
2008	167.98	56

Year	Acreage Burned	Number of Fires
2009	633.35	70
2010	79.82	26
2011	420.46	81
2012	678.2	65
2013	96.76	36
2014	41.46	24
2015	79.97	38
2016	146.35	21
2017	257.14	52

Storm Events Database

Search Results for Berrien County, Georgia

Event Types: [Hail](#)

18 events were reported between 01/01/1950 and 05/28/2018 (24985 days)

Summary Info:

Number of County/Zone areas affected:	1
Number of Days with Event:	14
Number of Days with Event and Death:	0
Number of Days with Event and Death or Injury:	0
Number of Days with Event and Property Damage:	1
Number of Days with Event and Crop Damage:	0
Number of Event Types reported:	1

Column Definitions:

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

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

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

Select:

Sort By:

<u>Location</u>	<u>County/Zone</u>	<u>St.</u>	<u>Date</u>	<u>Time</u>	<u>T.Z.</u>	<u>Type</u>	<u>Mag</u>	<u>Dth</u>	<u>Inj</u>	<u>PrD</u>	<u>CrD</u>
Totals:								0	0	20.00K	0.00K
BERRIEN CO.	BERRIEN CO.	GA	05/08/1975	18:00	CST	Hail	0.75 in.	0	0	0.00K	0.00K
BERRIEN CO.	BERRIEN CO.	GA	03/18/1981	15:00	CST	Hail	1.75 in.	0	0	0.00K	0.00K
BERRIEN CO.	BERRIEN CO.	GA	03/25/1992	13:35	CST	Hail	0.75 in.	0	0	0.00K	0.00K
BERRIEN CO.	BERRIEN CO.	GA	03/30/1992	15:00	CST	Hail	2.00 in.	0	0	0.00K	0.00K
BERRIEN CO.	BERRIEN CO.	GA	03/30/1992	15:10	CST	Hail	1.00 in.	0	0	0.00K	0.00K
Nashville	BERRIEN CO.	GA	01/28/1995	13:00	EST	Hail	0.90 in.	0	0	0.00K	0.00K
ALAPAHA	BERRIEN CO.	GA	03/06/1996	16:00	EST	Hail	1.75 in.	0	0	0.00K	0.00K
ENIGMA	BERRIEN CO.	GA	04/21/1997	17:10	EST	Hail	0.75 in.	0	0	0.00K	0.00K
NASHVILLE	BERRIEN CO.	GA	06/01/1997	15:55	EST	Hail	1.75 in.	0	0	20.00K	0.00K
RAY CITY	BERRIEN CO.	GA	05/03/1998	14:15	EST	Hail	1.75 in.	0	0	0.00K	0.00K
ENIGMA	BERRIEN CO.	GA	04/08/2004	13:10	EST	Hail	0.75 in.	0	0	0.00K	0.00K
ALAPAHA	BERRIEN CO.	GA	04/08/2004	13:30	EST	Hail	0.75 in.	0	0	0.00K	0.00K
NASHVILLE	BERRIEN CO.	GA	06/18/2009	19:25	EST-5	Hail	0.88 in.	0	0	0.00K	0.00K
COTTLE	BERRIEN CO.	GA	02/18/2012	22:25	EST-5	Hail	1.75 in.	0	0	0.00K	0.00K
NASHVILLE	BERRIEN CO.	GA	05/22/2012	18:11	EST-5	Hail	0.88 in.	0	0	0.00K	0.00K
COTTLE	BERRIEN CO.	GA	03/23/2013	10:12	EST-5	Hail	1.75 in.	0	0	0.00K	0.00K
NASHVILLE	BERRIEN CO.	GA	03/23/2013	10:15	EST-5	Hail	1.75 in.	0	0	0.00K	0.00K
NASHVILLE	BERRIEN CO.	GA	03/23/2013	10:19	EST-5	Hail	1.50 in.	0	0	0.00K	0.00K
Totals:								0	0	20.00K	0.00K

Storm Events Database

Search Results for Berrien County, Georgia

Event Types: **Tornado**

11 events were reported between 01/01/1950 and 05/28/2018 (24985 days)

Summary Info:

Number of County/Zone areas affected:	1
Number of Days with Event:	11
Number of Days with Event and Death:	1
Number of Days with Event and Death or Injury:	3
Number of Days with Event and Property Damage:	11
Number of Days with Event and Crop Damage:	0
Number of Event Types reported:	1

Column Definitions:

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

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

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

Select:

Sort By:

Location	County/Zone	St.	Date	Time	T.Z.	Type	Mag	Dth	Inj	PrD	CrD
Totals:								2	14	3.812M	0.00K
BERRIEN CO.	BERRIEN CO.	GA	05/11/1952	06:20	CST	Tornado	F3	0	10	2.500M	0.00K
BERRIEN CO.	BERRIEN CO.	GA	06/30/1959	17:00	CST	Tornado	F1	0	0	2.50K	0.00K
BERRIEN CO.	BERRIEN CO.	GA	06/08/1962	14:52	CST	Tornado	F1	0	0	250.00K	0.00K
BERRIEN CO.	BERRIEN CO.	GA	03/12/1968	10:30	CST	Tornado	F1	0	0	2.50K	0.00K
BERRIEN CO.	BERRIEN CO.	GA	12/30/1973	11:20	CST	Tornado	F0	0	0	250.00K	0.00K
BERRIEN CO.	BERRIEN CO.	GA	04/08/1974	18:15	CST	Tornado	F1	0	4	250.00K	0.00K
BERRIEN CO.	BERRIEN CO.	GA	01/25/1975	10:00	CST	Tornado	F1	0	0	25.00K	0.00K
BERRIEN CO.	BERRIEN CO.	GA	04/04/1980	10:00	CST	Tornado	F1	0	0	2.50K	0.00K
BERRIEN CO.	BERRIEN CO.	GA	07/25/1991	12:00	EST	Tornado	F1	0	0	25.00K	0.00K
Nashville	BERRIEN CO.	GA	06/25/1994	10:30	EST	Tornado	F0	0	0	5.00K	0.00K
NEW LOIS	BERRIEN CO.	GA	01/22/2017	03:49	EST-5	Tornado	EF3	2	0	500.00K	0.00K
Totals:								2	14	3.812M	0.00K

Storm Events Database

Search Results for Berrien County, Georgia

Event Types: [Blizzard](#), [Cold/Wind Chill](#), [Extreme Cold/Wind Chill](#), [Freezing Fog](#), [Frost/Freeze](#), [Heavy Snow](#), [Ice Storm](#), [Sleet](#), [Winter Storm](#), [Winter Weather](#)

Berrien county contains the following zones:

['Berrien'](#)

3 events were reported between 01/01/1950 and 05/28/2018 (24985 days)

Summary Info:

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

Column Definitions:

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

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

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

Sort By: ▼

<u>Location</u>	<u>County/Zone</u>	<u>St.</u>	<u>Date</u>	<u>Time</u>	<u>T.Z.</u>	<u>Type</u>	<u>Mag</u>	<u>Dth</u>	<u>Inj</u>	<u>PrD</u>	<u>CrD</u>
Totals:							0	0	0.00K	7.850M	
BERRIEN (ZONE)	BERRIEN (ZONE)	GA	01/28/2014	15:00	EST-5	Winter Weather	0	0	0.00K	0.00K	
BERRIEN (ZONE)	BERRIEN (ZONE)	GA	03/16/2017	03:00	EST-5	Frost/freeze	0	0	0.00K	7.850M	
BERRIEN (ZONE)	BERRIEN (ZONE)	GA	01/03/2018	03:00	EST-5	Winter Storm	0	0	0.00K	0.00K	
Totals:							0	0	0.00K	7.850M	

BERRIEN COUNTY CRITICAL FACILITIES
2018 UPDATE

Name	Jurisdiction	Address	Zip	Facility Types	Risk	Building Value
Alapaha Fire Department Station 31	Alapaha town	22229 Main St	31622	Emergency Services, Emergency Services, Fire Fighters, Fire Fighters	Essential, Lifeline	840000.00
Alapaha Town Hall & Police Dept.	Alapaha town	112 N Railroad St	31622	Government, Government, Government Offices, Government Offices, Police, Police	Essential, Lifeline	420000.00
Alapaha Wastewater Pond	Alapaha town	US Hwy 82	31622	Government, Government, Water/Sewer, Water/Sewer	Important	5000.00
Town of Alapaha Water System	Alapaha town	E Brunswick St	31622	Government, Government, Water/Sewer, Water/Sewer	Essential, Lifeline	10000000.00
Open Door Christian Academy	Alapaha town	123 Open Door School Rd	31622	Education, Education, Private, Private	Important, Vulnerable Population	540000.00
4825 SUPTS CTG ALAPAHA	Berrien County	RANGE GRAZING STA.	31622	Education, Government Offices	Important	668700.00
4826 IMPL SHED & SHOP	Berrien County	RANGE GRAZING STA.	31622	Education, Government Offices	Important	168750.00
4827 HORSE BARN FEED	Berrien County	RANGE GRAZING STA.	31622	Education, Government Offices	Important	30000.00
4828 LABORERS CTG ALAPA	Berrien County	RANGE GRAZING STA.	31622	Education, Government Offices	Important	156250.00
4829 BARN ALAPAHA	Berrien County	RANGE GRAZING STA.	31622	Education, Government Offices	Important	1944000.00
4830 BLUEBERRY WORKSHED	Berrien County	RANGE GRAZING STA.	31622	Education, Government Offices	Important	139500.00
4831 HAY SHED	Berrien County	RANGE GRAZING STA.	31622	Education, Government Offices	Important	62500.00

BERRIEN COUNTY CRITICAL FACILITIES
2018 UPDATE

Name	Jurisdiction	Address	Zip	Facility Types	Risk	Building Value
4832 TOOL STORAGE BLDG	Berrien County	RANGE GRAZING STA	31622	Education, Government Offices	Important	3750.00
4833 PUMP HOUSE	Berrien County	RANGE GRAZING STATIO	31622	Education, Government Offices	Important	1250.00
Alapaha Town Barn	Alapaha town	SW Railroad St and Sawmill Rd	31622	Government, Government, Government Offices, Government Offices	Important, Transportation	630000.00
Alapaha Baptist Church	Alapaha town	22308 Main St	31622	NGO, NGO, Private, Private	Essential, Vulnerable Population	660000.00
Coastal Plain Head Start Alapaha	Alapaha town	9499 US Highway 82	31622	Education, Education, Pre K, Pre K	Important, Vulnerable Population	300000.00
Alapaha Community Center/Berrien County EMS	Alapaha town	9499 US-82	31622	Emergency Services, Emergency Services, EMS, EMS	Lifeline	58263.00
Alapaha Fire Dept. Station 32	Berrien County	4353 Wycliff Roberts Rd	31622	Emergency Services, Emergency Services, Fire Fighters, Fire Fighters	Lifeline	100000.00
Nashville Fire Dept. Station 12	Berrien County	16428 Hwy 129	31622	Emergency Services, Fire Fighters	Lifeline	100000.00
Dixon Farm Supply	Berrien County	8435 US-82	31622	NGO, Private	Economic Assets	303864.00
West Berrien Fire Department	Berrien County	11062 N Hwy 125	31637	Emergency Services, Emergency Services, Fire Fighters, Fire Fighters	Lifeline	600000.00
Berrien County Middle School	Nashville city	800 Tifton Road	31639	Education, Education, K - 12, K - 12	Essential, Vulnerable Population	5000000.00
Berrien County Primary School	Berrien County	1427 N Davis St	31639	Education, Education, K - 12, K - 12	Essential, Vulnerable Population	5000000.00

**BERRIEN COUNTY CRITICAL FACILITIES
2018 UPDATE**

Name	Jurisdiction	Address	Zip	Facility Types	Risk	Building Value
Berrien County Elementary School	Nashville city	802 Middle School Circle	31639	Education, Education, K - 12, K - 12	Essential, Vulnerable Population	5000000.00
Carrie Dorsey Perry Memorial Library	Nashville city	315 West Marion Avenue	31639	Government, Government, Library, Library	High Potential Loss, Historic Consideration	3664500.00
Nashville Police Department	Nashville city	1406 Saddle Club Lane	31639	Law Enforcement, Law Enforcement, Police, Police	Lifeline	196124.00
Nashville Fire Department Station 11 (bldg 1)	Nashville city	404 W Marion Ave	31639	Emergency Services, Emergency Services, Fire Fighters, Fire Fighters	Lifeline	960000.00
East Berrien Fire Dept. Station 52	Berrien County	5586 Hwy 168	31639	Emergency Services, Emergency Services, Fire Fighters, Fire Fighters	Lifeline	36662.00
Berrien County Jail & Sheriff's Office	Nashville city	500 County Farm Rd	31639	Law Enforcement, Law Enforcement, Jails, Jails, Sheriff, Sheriff	Essential, Special Consideration, Vulnerable Population	8160000.00
Berrien County Courthouse	Nashville city	101 E Marion Ave	31639	Government, Government, Court House, Court House	Essential, Historic Consideration	1280400.00
Nashville City Hall	Nashville city	405 W Washington	31639	Government, Government, Government Offices, Government Offices	Essential	402000.00
Nashville Water Tower	Nashville city	Middle School Circle	31639	Government, Government, Water/Sewer, Water/Sewer	Essential, Lifeline	10000000.00
SGMC Berrien Campus	Nashville city	1221 E. McPherson Street	31639	Medical, Medical, Hospital, Hospital	Lifeline, Vulnerable Population	13047600.00
Berrien County Airport	Nashville city	1765 Langdale Drive	31639	Government, Government, Transportation, Transportation	Essential, Transportation	725400.00
Berrien County High School	Nashville city	500 Smith Ave	31639	Education, Education, K - 12, K - 12	Vulnerable Population	5000000.00

**BERRIEN COUNTY CRITICAL FACILITIES
2018 UPDATE**

Name	Jurisdiction	Address	Zip	Facility Types	Risk	Building Value
Nashville Wastewater Treatment Facility	Nashville city	Middle School Circle	31639	Government, Government, Water/Sewer, Water/Sewer	Lifeline	140230.00
Berrien County Behavioral Health	Berrien County	County Farm Road	31639	Government, Water/Sewer	Important, Vulnerable Population	1731600.00
Berrien County Board of Educaiton	Nashville city	810 S Dogwood Dr	31639	Government, Government, Government Offices, Government Offices	Important, Vulnerable Population	1620000.00
Berrien County BOE- Bus Shop	Nashville city	606 County Farm Road	31639	Education, Education, Transportation, Transportation	Economic Assets, Transportation	2340000.00
Berrien County Extension Office	Nashville city	516 County Farm Road	31639	Government, Government, Government Offices, Government Offices	Important	1800000.00
Coastal Plains Head Start	Berrien County	204 Hazel Avenue	31639	Education, Education, Pre K, Pre K	Important, Vulnerable Population	300000.00
Berrien County Commission	Berrien County	201 N. Davis St	31639	Government, Government, Government Offices, Government Offices	Essential	1500000.00
Berrien County EMS	Nashville city	519 County Farm Road	31639	Emergency Services, Emergency Services, EMS, EMS	Lifeline	465000.00
Berrien County Humane Society	Nashville city	1111 Exum St	31639	Government, Government, Government Offices, Government Offices	Essential, Vulnerable Population	1926000.00
Berrien County Road Shop/Public Works	Nashville city	520 County Farm Road	31639	Government, Government, Government Offices, Government Offices	Important	3654000.00
Berrien County Senior Center	Nashville city	204 Hazel Ave	31639	Government, Government, Government Offices, Government Offices	Vulnerable Population	1446000.00
Berrien County EMA & 911	Nashville city	205 N Jefferson St	31639	Emergency Services, Emergency Services, EMA, EMA	Lifeline	127509.00

**BERRIEN COUNTY CRITICAL FACILITIES
2018 UPDATE**

Name	Jurisdiction	Address	Zip	Facility Types	Risk	Building Value
Berrien Academy Performance Learning Center	Nashville city	1015 Exum Rd	31639	Education, Education, K - 12, K - 12	Important, Vulnerable Population	2250000.00
Berrien Nursing Center	Nashville city	405 Laurel St	31639	Medical, Medical, ALF, ALF	Important, Vulnerable Population	8083800.00
Berrien County DFCS	Nashville city	301 South Jefferson Street	31639	Government, Government, Government Offices, Government Offices	Essential	240000.00
Hope Baptist Church	Nashville city	1011 South Dogwood	31639	NGO, NGO, Private, Private	Essential, Vulnerable Population	2400000.00
Nashville Community Center	Nashville city	North Jefferson Street	31639	Government, Government, Government Offices, Government Offices	Important	492000.00
Nashville First Baptist Church	Nashville city	301 West Washington	31639	NGO, NGO, Private, Private	Essential, Vulnerable Population	3600000.00
Nashville Public Works	Nashville city	106 South Dogwood	31639	Government, Government, Government Offices, Government Offices	Essential	372000.00
Nashville United Methodist Church	Nashville city	304 South Berrien Street	31639	NGO, NGO, Private, Private	Essential, Vulnerable Population	4200000.00
The Retreat Inc.	Nashville city	1207 E. McPherson Avenue	31639	NGO, NGO, ALF, ALF	Important, Vulnerable Population	699972.00
Victory Retirement Inc.	Nashville city	310 W. Washington Avenue	31639	NGO, NGO, ALF, ALF	Important, Vulnerable Population	480000.00
Victory Villa	Nashville city	308 W. Washington Avenue	31639	NGO, NGO, ALF, ALF	Important, Vulnerable Population	540000.00
Nashville Sewer Line System	Nashville city	Citywide	31639	Government, Government, Water/Sewer, Water/Sewer	Lifeline	10000000.00

BERRIEN COUNTY CRITICAL FACILITIES
2018 UPDATE

Name	Jurisdiction	Address	Zip	Facility Types	Risk	Building Value
East Berrien Fire Dept. Station 51	Berrien County	5533 Hwy 135	31639	Emergency Services, Emergency Services, Fire Fighters, Fire Fighters	Lifeline	600000.00
Nashville Waterline System	Nashville city	Citywide	31639	Government, Government, Water/Sewer, Water/Sewer	Lifeline	10000000.00
Nashville Fire Department Station 11 (bldg 2)	Nashville city	406 W marion Ave	31639	Emergency Services, Emergency Services, Fire Fighters, Fire Fighters	Lifeline	100000.00
East Berrien Fire Dept. Station 53	Berrien County	7729 June Hendley Rd	31639	Emergency Services, Emergency Services, Fire Fighters, Fire Fighters	Lifeline	100000.00
New Lois Fire Department	Berrien County	4941 Old Valdosta Rd	31639	Emergency Services, Fire Fighters	Lifeline	100000.00
911 Communications Tower	Nashville city	523 County Farm Rd	31639	Government, Communications	Lifeline	100000.00
Longbridge Peanut Company	Berrien County	760 Hwy 76 West	31639	NGO, Private	Economic Assets	727000.00
Troutdale Corp Tobacco Warehouse	Nashville city	598 Enigma Rd	31639	NGO, Private	Economic Assets	305069.00
Perkins Warehouse	Nashville city	1800 E Marion Ave	31639	NGO, Private	Economic Assets	726882.00
Chaparral Boats	Nashville city	300 Industrial Park Blvd	31639	NGO, Private	Economic Assets	2382542.00
BH Electronics Inc	Nashville city	100 Spells St	31639	NGO, Private	Economic Assets, Important	826886.00
The Bridge Church	Nashville city	727 S Davis St	31639	NGO, Private	Important	610229.00

BERRIEN COUNTY CRITICAL FACILITIES
2018 UPDATE

Name	Jurisdiction	Address	Zip	Facility Types	Risk	Building Value
Coyote Mfg Co	Nashville city	541 Hazel Ave	31639	NGO, Private	Economic Assets	1112901.00
Ray City Fire Department	Ray City city	8090 and 8110 Main St	31645	Emergency Services, Emergency Services, Fire Fighters, Fire Fighters	Lifeline	720000.00
Ray City Municipal Bldg./City Hall/Police Dept	Ray City city	8151 Main Street	31645	Government, Government, Government Offices, Government Offices, Police, Police	Essential, Lifeline	335400.00
Ray City Wastewater Pond	Ray City city	Park St	31645	Government, Government, Water/Sewer, Water/Sewer	Lifeline	1000000.00
Ray City Water Tower	Ray City city	1101 Patten Ave	31645	Government, Government, Water/Sewer, Water/Sewer	Essential, Lifeline	500000.00
Jesus Loves Me Daycare & New Covenant Church	Ray City city	342 Pauline Ave	31645	NGO, NGO, Day Care, Day Care	Important, Vulnerable Population	456000.00
Ray City Waterline System	Ray City city	Citywide	31645	Government, Government, Water/Sewer, Water/Sewer	Essential, Lifeline	10000000.00
Ray City Sewerline System	Ray City city	Citywide	31645	Government, Government, Water/Sewer, Water/Sewer	Lifeline	10000000.00
Ray City Senior Center	Ray City city	1101 Patten Ave	31645	Government, Government, Government Offices, Government Offices	Essential, Vulnerable Population	1440000.00
Ray City Road and Street Department	Ray City city	8100 Main Street	31645	Government, Government, Transportation, Transportation	Important, Transportation	50000.00
Ray City Pre-K Program	Ray City city	423 Pauline Ave	31645	Education, Education, Pre K, Pre K	Important, Vulnerable Population	342000.00
Ray City First Baptist Church	Ray City city	457 Pauline Ave	31645	NGO, NGO, Private, Private	Essential, Vulnerable Population	3360000.00

BERRIEN COUNTY CRITICAL FACILITIES
2018 UPDATE

Name	Jurisdiction	Address	Zip	Facility Types	Risk	Building Value
Enigma Police Department	Enigma town	404 Main St	31749	Law Enforcement, Police	Essential	720000.00
Enigma Fire Department	Enigma town	517 Main St	31749	Emergency Services, Emergency Services, Fire Fighters, Fire Fighters	Lifeline	720000.00
Enigma City Hall & Police Department	Enigma town	564 N Main St	31749	Government, Government, Government Offices, Government Offices, Police, Police	Essential, Lifeline	330000.00
Enigma Baptist Church	Enigma town	391 S Main Street	31749	NGO, NGO, Private, Private	Essential, Vulnerable Population	840000.00
Enigma Road and Street Department	Enigma town	Main St & Savannah Ave	31749	Government, Government, Transportation, Transportation	Important, Transportation	420000.00
Enigma Water Tower	Enigma town	Main St & N Railroad St	31749	Government, Government, Water/Sewer, Water/Sewer	Lifeline	500000.00
Enigma Water Tower #2	Enigma town	Ell St	31749	Government, Government, Water/Sewer, Water/Sewer	Lifeline	500000.00
Saint Stephen's Church	Enigma town	Turner Church Rd	31749	NGO, NGO, Private, Private	Essential, Vulnerable Population	300000.00
Enigma Waterline System	Enigma town	Citywide	31749	Government, Government, Water/Sewer, Water/Sewer	Essential, Lifeline	10000000.00
Dixon Cotton Gin	Berrien County	2579 US-82	31749	NGO, Private	Economic Assets	804783.00