

Appendices

Appendix A – Hazard Identification, Risk Assessment and Vulnerability (HRV)

I. Flood

- A. Flood Hazard Description-Uncontrolled water (flooding) has been the costliest, repetitive natural hazard to Lowndes County and its municipalities. Riverine flooding, which includes the overflow of streams and creeks designated as floodplains on the local FIRM maps due to heavy rain, have caused the most damage to government infrastructure and to individual property. In addition to riverine flooding, Lowndes County also experiences localized flooding during brief periods of locally heavy rainfall, such as is commonly experienced during some thunderstorms and tropical storm events. This is particularly a problem in the urbanized areas where storm drainage systems can become overwhelmed by the intense amount of rainfall in a short period of time. While more frequent in nature, fortunately this type of flooding accounts for very little damage to local property and infrastructure.

- B. Data – Events, Worksheet 3A, GEMA Critical Facility Inventory Report, Maps

National Climatic Data Center

[Home](#) [Contact Us](#) [About NCDC](#) [Help](#)

NCDC > Storm Events Database (Select State) > (Select Date/County/Event)

Storm Events Database

Data Access

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

Documentation

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

External Resources

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

Storm Events Database

Search Results for Lowndes County, Georgia

6 events were reported between 01/01/1950 and 12/31/2014 (23741 days)

Summary Info:

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

Column Definitions:

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

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

Data Export: (current results)



Location	County/Zone	St.	Date	Time	T.Z.	Type	Mag	Dth	Inj	PrD	CrD
Totals:								0	0	1.230M	0.00K
HABERSHAM (ZONE)	HABERSHAM (ZONE)	GA	12/01/1996	11:20	EST	Flash Flood		0	0	0.00K	0.00K
COUNTYWIDE	LOWNDES CO.	GA	09/06/2000	07:45	EST	Flash Flood		0	0	200.00K	0.00K
COUNTYWIDE	LOWNDES CO.	GA	06/11/2001	21:00	EST	Flash Flood		0	0	1.000M	0.00K
I-75 AT EXIT 29	LOWNDES CO.	GA	03/03/2012	14:25	EST-5	Flash Flood		0	0	0.00K	0.00K
I-75 AT EXIT 5	LOWNDES CO.	GA	06/25/2012	19:30	EST-5	Flash Flood		0	0	0.00K	0.00K
LOWNDES CO.	LOWNDES CO.	GA	09/07/2014	14:26	EST-5	Flash Flood		0	0	30.00K	0.00K
Totals:								0	0	1.230M	0.00K

[Privacy Policy](#) | [FOIA](#) | [Information Quality](#) | [Disclaimer](#) | [Contact Us](#)

National Climatic Data Center

[Home](#) [Contact Us](#) [About NCDC](#) [Help](#)

NCDC > Storm Events Database (Select State) > (Select Date/County/Event)

Storm Events Database

Data Access

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

Documentation

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

External Resources

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

Storm Events Database

Search Results for Lowndes County, Georgia

Event Types: **Flood**

Lowndes county contains the following zones:

'Lowndes'

5 events were reported between 01/01/1950 and 12/31/2014 (23741 days)

Summary Info:

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

Data Export: (current results)



Column Definitions:

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

Click on **Location** below to display details.Available Event Types have changed over time. Please refer to the [Database Details](#) for more information.Sort By: **Date/Time (Oldest)** ▼

Location	County/Zone	St.	Date	Time	T.Z.	Type	Mag	Dth	Inj	PrD	CrD
Totals:								0	0	3.600M	0.00K
LOWNDES (ZONE)	LOWNDES (ZONE)	GA	03/08/1998	12:00	EST	Flood		0	0	750.00K	0.00K
LOWNDES (ZONE)	LOWNDES (ZONE)	GA	04/24/2000	12:30	EST	Flood		0	0	50.00K	0.00K
LOWNDES (ZONE)	LOWNDES (ZONE)	GA	09/27/2004	01:00	EST	Flood		0	0	150.00K	0.00K
VALDOSTA	LOWNDES CO.	GA	02/02/2006	15:00	EST	Flood		0	0	150.00K	0.00K
BARRETTTS	LOWNDES CO.	GA	04/02/2009	00:00	EST-5	Flood		0	0	2.500M	0.00K
Totals:								0	0	3.600M	0.00K

[Privacy Policy](#) | [FOIA](#) | [Information Quality](#) | [Disclaimer](#) | [Contact Us](#)

GEMA Worksheet #3a**Inventory of Assets****Jurisdiction: Lowndes****Hazard: Flood**

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

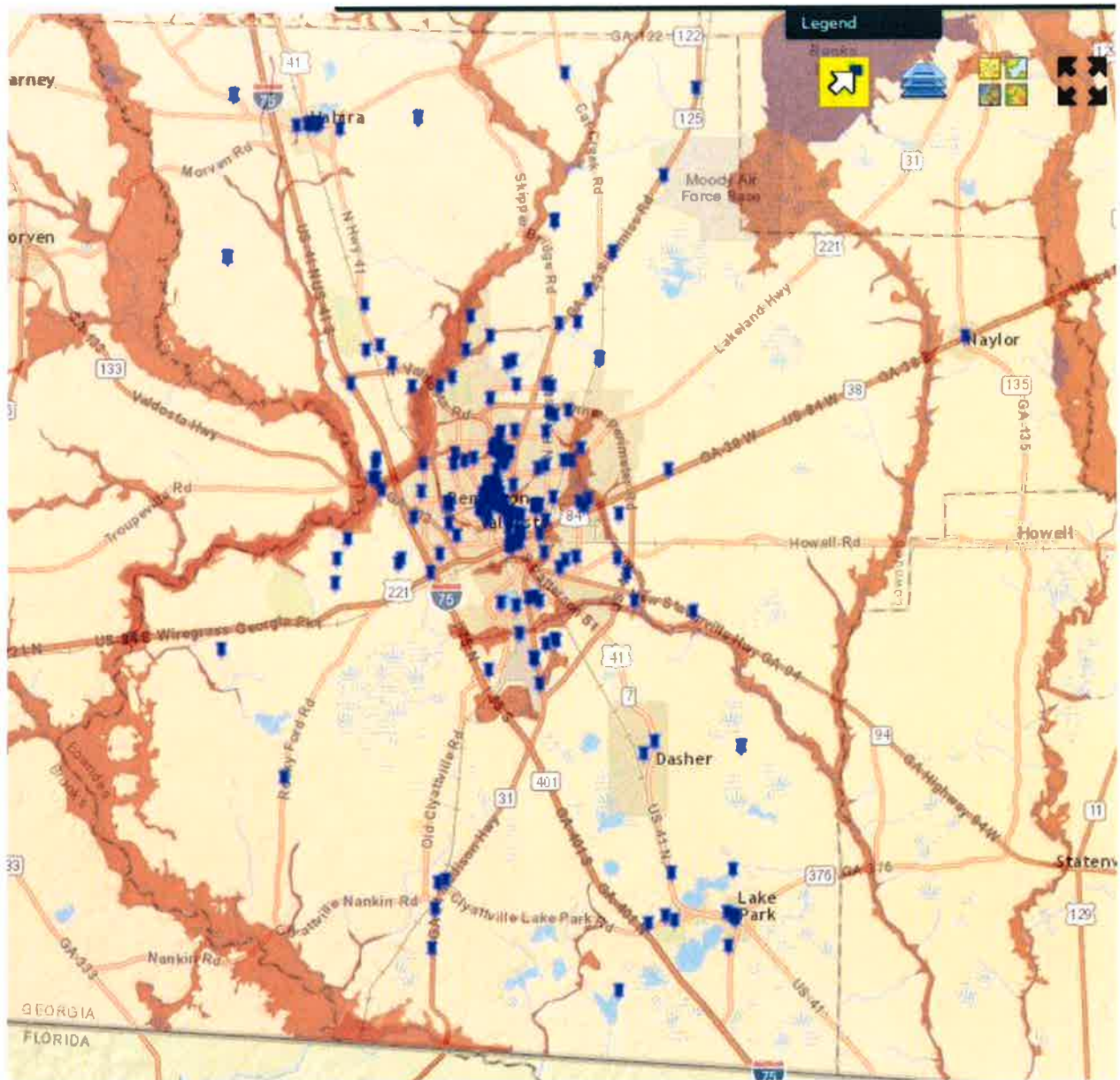
Type of Structure (Occupancy Class)	Number of Structures			Value of Structures			Number of People		
	# in Community of State	# in Hazard Area	% in Hazard Area	\$ in Community or State	\$ in Hazard Area	% in Hazard Area	# in Community or State	# in Hazard Area	% in Hazard Area
Residential	31,847	1,911	6.001%	2,755,703,596	165,369,773	6.001%	112,515	20,253	18%
Commercial	3,742	190	5.066%	1,184,803,804	60,022,161	5.066%	0	0	0%
Industrial	364	84	23.116%	226,661,336	52,395,034	23.116%	0	0	0%
Agricultural	1,237	182	14.723%	119,283,276	17,562,077	14.723%	0	0	0%
Religious/ Non-profit	401	40	10.024%	155,502,640	15,587,585	10.024%	0	0	0%
Government	338	78	23.059%	239,948,753	55,329,783	23.059%	0	0	0%
Education	83	3	4.000%	112,974,247	4,518,970	4.000%	0	0	0%
Utilities	111	13	11.765%	15,186,185	1,786,655	11.765%	0	0	0%
Total	38,123	2,501	6.582%	4,810,063,837	372,572,037	7.748%	112,515	20,253	18%

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

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

Facility Flood Hazard All Hazards > 0

Jurisdiction	Name	Hazard Score	Value	Replacement Value Year	Building size	Functional Use value	Facility type	Risk
Valdosta city	Pine Hall	2	3096900	2014	22940	0	Education, University	Important, Vulnerable Population
Valdosta city	Education Center	3	9938700	2014	73620	0	Education, University	Important, Vulnerable Population
Valdosta city	Oak St. Parking Deck	3	46790055	2014	346593	0	Education, University	Important, Vulnerable Population, Economic Assets
Valdosta city	Rogers St Lift Station	3	135000	2014	1000	0	Government, Government Offices	Essential, Important, Economic Assets
Valdosta city	94 Lift Station	4	135000	2014	1000	0	Government, Government Offices	Essential, Important, Economic Assets
Valdosta city	Valdosta Fire Department Station 2	2	937575	2014	6945	0	Emergency Services, Fire Fighters	Essential, Important, Economic Assets
Valdosta city	Lakeland Hwy Lift Station	3	135000	2014	1000	0	Government, Government Offices	Essential, Important, Economic Assets
Valdosta city	Cherry Creek Lift Station #1	3	135000	2014	1000	0	Government, Government Offices	Essential, Important, Economic Assets
Valdosta city	Cherry Creek Lift Station #2	3	135000	2014	1000	0	Government, Government Offices	Essential, Important, Economic Assets
Valdosta city	New Wastewater Management Center	3	20000000	2014	0	0	Water/Sewer	Essential, Important, Hazardous Materials, Important, Economic Assets



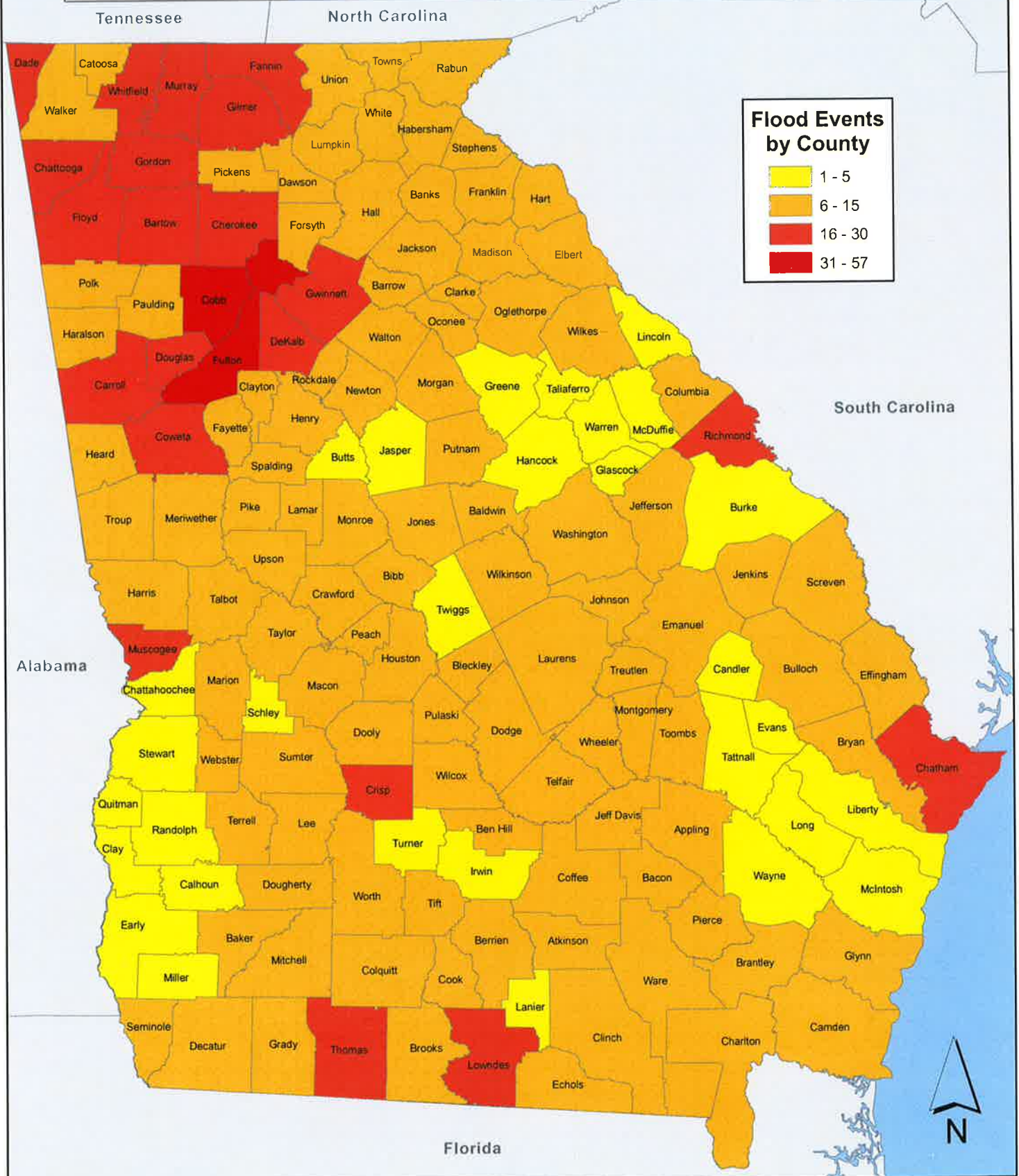
GMIS Critical Facilities Map - Flood



Flood Events

1960-2012

SHELDUS Data



II. High Wind-Hurricane, Tornado, Thunderstorms

- A. High Wind Hazard Description - Lowndes County is frequently at risk of damage to life, property, and economic losses due to the impacts of high winds. The primary sources of these high wind events are thunderstorms, hurricanes or tropical storms, and tornadoes.

The most prevalent occurrence of wind damage is from the frequent thunderstorms that Lowndes County and the surrounding areas experience on a regular basis throughout the year. The National Weather Service classifies a Severe Thunderstorm as one capable of producing winds of 58 mph or greater, hailstones 1 inch or larger, or a tornado. However, it is not uncommon for Lowndes County to receive storms with winds slightly below this threshold but still capable of producing significant damage, so the lack of a Severe Thunderstorm Warning is not always indicative of damage potential.

Secondary causes of wind damage in our area are Tropical Storms and Hurricanes. The National Weather Service uses the Saffir-Simpson Hurricane Wind Scale to categorize hurricanes based on their intensity. A chart of the associated wind speeds is listed below. While several factors influence the amount of damage caused by a particular storm, typically, more intense storms tend to inflict a greater amount of damage to the affected areas.

Tropical Storm – 39-73 mph
Category 1 Hurricane – 74-95 mph
Category 2 Hurricane – 96-110 mph
Category 3 Hurricane – 111-130 mph
Category 4 Hurricane – 131-155 mph
Category 5 Hurricane – greater than 155 mph

The next section will provide a little more detail with regards to past history and probability of occurrence of future events, but as a general rule Lowndes County has at least a slight risk of being impacted by at least one tropical storm each year during the Atlantic Hurricane Season which runs from June 1 until November 30. This is due in large part to its proximity to coastal waters. While officially Lowndes County is considered an inland county, it is within 50 miles of Florida's Gulf Coast and Georgia's Atlantic coastline is only 95 miles away.

Considering many tropical storms and hurricanes are several hundred miles wide and are capable of producing damaging winds well inland, it is highly likely that a storm striking the Florida panhandle or the eastern coast of Georgia from Savannah down to the Florida coast in St Augustine would pose a threat to Lowndes County as it moves inland. Historically, the greatest threat to this area has been from storms in the Gulf of Mexico.

Lastly, Lowndes County has to be prepared for the threat of wind damage

caused by tornado activity. While historically it is the least common cause of damage in our area, it has the potential to be the most costly and devastating. This is due mainly to the fact that tornados occur with little to no warning.

Tornados are a year round threat and often accompany thunderstorms or spawn off of tropical storms or hurricanes that pass in close proximity to the area. Unlike tropical storms, and to some extent even thunderstorms, which tend to blanket a wide area at one time, tornadoes usually affect a smaller area but the damage while concentrated is often more destructive in nature due to the potentially higher wind speeds often seen inside a tornado. The NWS uses the Enhanced Fujita Scale outlined below to categorize tornados.

EF0 – 65-85 mph

EF1 – 86-110 mph

EF2 – 111-135 mph

EF3 – 136-165 mph

EF4 – 166-200 mph

EF5 – over 200 mph

B. Data – Events, Worksheet 3A, GEMA Critical Facility Inventory Report, Maps

National Climatic Data Center

[Home](#) [Contact Us](#) [About NCDC](#) [Help](#)

NCDC > Storm Events Database (Select State) > (Select Date/County/Event)

Storm Events Database

Data Access

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

Documentation

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

External Resources

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

Storm Events Database

Search Results for Lowndes County, Georgia

Event Types: **Hurricane (Typhoon)**

Lowndes county contains the following zones:

'Lowndes'

1 events were reported between 01/01/1950 and 12/31/2014 (23741 days)

Summary Info:

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

Data Export: (current results)



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	100.00K	0.00K
LOWNDES (ZONE)	LOWNDES (ZONE)	GA	07/09/2005	18:00	EST	Hurricane (typhoon)		0	0	100.00K	0.00K
Totals:								0	0	100.00K	0.00K

[Privacy Policy](#) | [FOIA](#) | [Information Quality](#) | [Disclaimer](#) | [Contact Us](#)

National Climatic Data Center

[Home](#) [Contact Us](#) [About NCDC](#) [Help](#)

NCDC > Storm Events Database (Select State) > (Select Date/County/Event)

Storm Events Database

Data Access

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

Documentation

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

External Resources

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

Storm Events Database

Search Results for Lowndes County, Georgia

Event Types: **Tropical Storm**

Lowndes county contains the following zones:

'Lowndes'

6 events were reported between 01/01/1950 and 12/31/2014 (23741 days)

Summary Info:

Number of County/Zone areas affected:	1
Number of Days with Event:	6
Number of Days with Event and Death:	0
Number of Days with Event and Death or Injury:	0
Number of Days with Event and Property Damage:	5
Number of Days with Event and Crop Damage:	1
Number of Event Types reported:	1

Column Definitions:

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

Click on **Location** below to display detailsAvailable 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	1.395M	5.00K
LOWNDES (ZONE)	LOWNDES (ZONE)	GA	09/03/1998	00:00	EST	Tropical Storm		0	0	125.00K	0.00K
LOWNDES (ZONE)	LOWNDES (ZONE)	GA	09/05/2004	16:00	EST	Tropical Storm		0	0	125.00K	0.00K
LOWNDES (ZONE)	LOWNDES (ZONE)	GA	09/15/2004	12:00	EST	Tropical Storm		0	0	15.00K	0.00K
LOWNDES (ZONE)	LOWNDES (ZONE)	GA	09/26/2004	18:00	EST	Tropical Storm		0	0	1.000M	0.00K
LOWNDES (ZONE)	LOWNDES (ZONE)	GA	06/12/2006	12:00	EST	Tropical Storm		0	0	0.00K	0.00K
LOWNDES (ZONE)	LOWNDES (ZONE)	GA	08/22/2008	12:00	EST-5	Tropical Storm		0	0	130.00K	5.00K
Totals:								0	0	1.395M	5.00K

[Privacy Policy](#) | [FOIA](#) | [Information Quality](#) | [Disclaimer](#) | [Contact Us](#)

National Climatic Data Center

[Home](#) [Contact Us](#) [About NCDC](#) [Help](#)

NCDC > Storm Events Database (Select State) > (Select Date/County/Event)

Storm Events Database

Data Access

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

Documentation

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

External Resources

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

Storm Events Database

Search Results for Lowndes County, Georgia

Event Types: **High Wind**

Lowndes county contains the following zones:

'Lowndes'

0 events were reported between 01/01/1950 and 12/31/2014 (23741 days)

Summary Info:

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

Column Definitions:

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

Wind Magnitude Definitions:

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

Click on **Location** below to display details.Available Event Types have changed over time. Please refer to the [Database Details](#) for more information.Select: **All Wind Speeds** ▼Sort By: **Date/Time (Oldest)** ▼

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

[Privacy Policy](#) | [FOIA](#) | [Information Quality](#) | [Disclaimer](#) | [Contact Us](#)

National Climatic Data Center

[Home](#) [Contact Us](#) [About NCDC](#) [Help](#)

NCDC > Storm Events Database (Select State) > (Select Date/County/Event)

Storm Events Database

Data Access

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

Documentation

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

External Resources

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

Storm Events Database

Search Results for Lowndes County, Georgia

Event Types: **Strong Wind**

Lowndes county contains the following zones:

'Lowndes'

1 events were reported between 01/01/1950 and 12/31/2014 (23741 days)

Summary Info:

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

Wind Magnitude Definitions:

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

Click on **Location** below to display details.Available Event Types have changed over time. Please refer to the [Database Details](#) for more information.Select: **All Wind Speeds**Sort By: **Date/Time (Oldest)**

Location	County/Zone	St.	Date	Time	T.Z.	Type	Mag	Dth	Inj	PrD	CrD
Totals:								0	0	5.00K	0.00K
LOWNDES (ZONE)	LOWNDES (ZONE)	GA	12/11/2008	08:00	EST-5	Strong Wind	45 kts. EG	0	0	5.00K	0.00K
Totals:								0	0	5.00K	0.00K

[Privacy Policy](#) | [FOIA](#) | [Information Quality](#) | [Disclaimer](#) | [Contact Us](#)

National Climatic Data Center

[Home](#) [Contact Us](#) [About NCDC](#) [Help](#)

NCDC > Storm Events Database (Select State) > (Select Date/County/Event)

Storm Events Database

Data Access

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

Documentation

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

External Resources

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

Storm Events Database

Search Results for Lowndes County, Georgia

163 events were reported between 01/01/1950 and 12/31/2014 (23741 days)

Summary Info:

Number of County/Zone areas affected:	1
Number of Days with Event:	120
Number of Days with Event and Death:	0
Number of Days with Event and Death or Injury:	1
Number of Days with Event and Property Damage:	78
Number of Days with Event and Crop Damage:	2
Number of Event Types reported:	1

Column Definitions:

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

Wind Magnitude Definitions:

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

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

Data Export: (current results)

Select: **All Wind Speeds** ▼Sort By: **Date/Time (Oldest)** ▼

Location	County/Zone	St.	Date	Time	T.Z.	Type	Mag	Dth	Inj	PrD	CrD
Totals:								0	1	2.788M	1.50K
LOWNDES CO.	LOWNDES CO.	GA	08/24/1960	17:30	CST	Thunderstorm Wind	0 kts.	0	0	0.00K	0.00K
LOWNDES CO.	LOWNDES CO.	GA	04/12/1961	06:30	CST	Thunderstorm Wind	0 kts.	0	0	0.00K	0.00K
LOWNDES CO.	LOWNDES CO.	GA	04/15/1961	07:30	CST	Thunderstorm Wind	0 kts.	0	0	0.00K	0.00K
LOWNDES CO.	LOWNDES CO.	GA	06/21/1961	21:00	CST	Thunderstorm Wind	0 kts.	0	0	0.00K	0.00K
LOWNDES CO.	LOWNDES CO.	GA	07/26/1961	15:00	CST	Thunderstorm Wind	0 kts.	0	0	0.00K	0.00K
LOWNDES CO.	LOWNDES CO.	GA	06/08/1962	12:22	CST	Thunderstorm Wind	52 kts.	0	0	0.00K	0.00K
LOWNDES CO.	LOWNDES CO.	GA	05/22/1967	11:30	CST	Thunderstorm Wind	0 kts.	0	0	0.00K	0.00K
LOWNDES CO.	LOWNDES CO.	GA	05/22/1967	11:30	CST	Thunderstorm Wind	0 kts.	0	0	0.00K	0.00K
LOWNDES CO.	LOWNDES CO.	GA	07/30/1968	17:00	CST	Thunderstorm Wind	70 kts.	0	0	0.00K	0.00K
LOWNDES CO.	LOWNDES CO.	GA	04/18/1969	09:30	CST	Thunderstorm Wind	0 kts.	0	0	0.00K	0.00K
LOWNDES CO.	LOWNDES CO.	GA	09/06/1970	15:15	CST	Thunderstorm Wind	0 kts.	0	0	0.00K	0.00K
LOWNDES CO.	LOWNDES CO.	GA	05/25/1973	15:15	CST	Thunderstorm Wind	50 kts.	0	0	0.00K	0.00K
LOWNDES CO.	LOWNDES CO.	GA	05/26/1975	15:35	CST	Thunderstorm Wind	0 kts.	0	0	0.00K	0.00K
LOWNDES CO.	LOWNDES CO.	GA	01/25/1978	17:30	CST	Thunderstorm Wind	0 kts.	0	0	0.00K	0.00K
LOWNDES CO.	LOWNDES CO.	GA	04/18/1978	13:15	CST	Thunderstorm Wind	0 kts.	0	0	0.00K	0.00K
LOWNDES CO.	LOWNDES CO.	GA	04/25/1978	16:00	CST	Thunderstorm Wind	0 kts.	0	0	0.00K	0.00K
LOWNDES CO.	LOWNDES CO.	GA	08/20/1978	17:00	CST	Thunderstorm Wind	0 kts.	0	0	0.00K	0.00K
LOWNDES CO.	LOWNDES CO.	GA	07/14/1980	14:00	CST	Thunderstorm Wind	0 kts.	0	0	0.00K	0.00K
LOWNDES CO.	LOWNDES CO.	GA	08/21/1980	17:45	CST	Thunderstorm Wind	0 kts.	0	0	0.00K	0.00K
LOWNDES CO.	LOWNDES CO.	GA	04/18/1983	12:00	CST	Thunderstorm Wind	0 kts.	0	0	0.00K	0.00K
LOWNDES CO.	LOWNDES CO.	GA	08/01/1986	15:45	CST	Thunderstorm Wind	69 kts.	0	0	0.00K	0.00K
LOWNDES CO.	LOWNDES CO.	GA	08/02/1986	14:30	CST	Thunderstorm Wind	0 kts.	0	0	0.00K	0.00K
LOWNDES CO.	LOWNDES CO.	GA	06/04/1987	14:55	CST	Thunderstorm Wind	60 kts.	0	0	0.00K	0.00K
LOWNDES CO.	LOWNDES CO.	GA	06/18/1987	19:15	CST	Thunderstorm Wind	0 kts.	0	0	0.00K	0.00K
LOWNDES CO.	LOWNDES CO.	GA	11/27/1988	18:15	CST	Thunderstorm Wind	0 kts.	0	0	0.00K	0.00K
LOWNDES CO.	LOWNDES CO.	GA	06/16/1989	10:52	CST	Thunderstorm Wind	53 kts.	0	0	0.00K	0.00K

LOWNDES CO.	LOWNDES CO.	GA	08/17/1990	14:00	CST	Thunderstorm Wind	0 kts.	0	0	0.00K	0.00K
LOWNDES CO.	LOWNDES CO.	GA	08/30/1990	15:00	CST	Thunderstorm Wind	0 kts.	0	0	0.00K	0.00K
LOWNDES CO.	LOWNDES CO.	GA	02/14/1991	01:30	CST	Thunderstorm Wind	0 kts.	0	0	0.00K	0.00K
LOWNDES CO.	LOWNDES CO.	GA	03/03/1991	04:40	CST	Thunderstorm Wind	0 kts.	0	0	0.00K	0.00K
LOWNDES CO.	LOWNDES CO.	GA	03/29/1991	16:15	CST	Thunderstorm Wind	0 kts.	0	0	0.00K	0.00K
LOWNDES CO.	LOWNDES CO.	GA	04/20/1991	18:55	CST	Thunderstorm Wind	0 kts.	0	0	0.00K	0.00K
LOWNDES CO.	LOWNDES CO.	GA	06/07/1992	15:20	PST	Thunderstorm Wind	0 kts.	0	0	0.00K	0.00K
LOWNDES CO.	LOWNDES CO.	GA	07/28/1992	16:15	PST	Thunderstorm Wind	0 kts.	0	0	0.00K	0.00K
Valdosta	LOWNDES CO.	GA	05/13/1993	15:00	EST	Thunderstorm Wind	0 kts.	0	0	500.00K	0.00K
Valdosta	LOWNDES CO.	GA	05/14/1994	16:45	EST	Thunderstorm Wind	0 kts.	0	0	0.50K	0.00K
Dasher	LOWNDES CO.	GA	10/02/1994	16:00	EST	Thunderstorm Wind	0 kts.	0	0	500.00K	0.50K
Valdosta	LOWNDES CO.	GA	02/11/1995	21:50	EST	Thunderstorm Wind	0 kts.	0	0	30.00K	1.00K
Valdosta	LOWNDES CO.	GA	11/11/1995	12:30	EST	Thunderstorm Wind	0 kts.	0	0	5.00K	0.00K
COUNTYWIDE	LOWNDES CO.	GA	05/03/1997	13:00	EST	Thunderstorm Wind		0	0	0.00K	0.00K
COUNTYWIDE	LOWNDES CO.	GA	05/27/1997	15:50	EST	Thunderstorm Wind		0	0	0.00K	0.00K
VALDOSTA	LOWNDES CO.	GA	05/07/1998	05:40	EST	Thunderstorm Wind		0	0	250.00K	0.00K
COUNTYWIDE	LOWNDES CO.	GA	06/05/1998	19:40	EST	Thunderstorm Wind		0	0	5.00K	0.00K
MOODY AFB	LOWNDES CO.	GA	05/13/1999	16:57	EST	Thunderstorm Wind	67 kts.	0	0	5.00K	0.00K
VALDOSTA	LOWNDES CO.	GA	01/24/2000	07:20	EST	Thunderstorm Wind		0	0	150.00K	0.00K
VALDOSTA	LOWNDES CO.	GA	04/24/2000	12:40	EST	Thunderstorm Wind		0	0	150.00K	0.00K
VALDOSTA	LOWNDES CO.	GA	04/24/2000	12:45	EST	Thunderstorm Wind		0	0	5.00K	0.00K
NAYLOR	LOWNDES CO.	GA	04/24/2000	12:45	EST	Thunderstorm Wind		0	0	5.00K	0.00K
COUNTYWIDE	LOWNDES CO.	GA	06/18/2000	15:30	EST	Thunderstorm Wind		0	0	20.00K	0.00K
COUNTYWIDE	LOWNDES CO.	GA	07/22/2000	16:00	EST	Thunderstorm Wind		0	0	5.00K	0.00K
MOODY AFB	LOWNDES CO.	GA	07/22/2000	16:05	EST	Thunderstorm Wind		0	0	50.00K	0.00K
VALDOSTA	LOWNDES CO.	GA	03/12/2002	19:20	EST	Thunderstorm Wind		0	0	100.00K	0.00K
VALDOSTA	LOWNDES CO.	GA	10/21/2002	16:00	EST	Thunderstorm Wind		0	0	5.00K	0.00K
COUNTYWIDE	LOWNDES CO.	GA	12/24/2002	10:30	EST	Thunderstorm Wind	50 kts. EG	0	0	10.00K	0.00K
(VAD)MOODY AFB VALDO	LOWNDES CO.	GA	12/24/2002	10:36	EST	Thunderstorm Wind	55 kts. MG	0	0	0.00K	0.00K
VALDOSTA	LOWNDES CO.	GA	02/22/2003	10:35	EST	Thunderstorm Wind	50 kts. EG	0	0	20.00K	0.00K
VALDOSTA	LOWNDES CO.	GA	03/17/2003	16:07	EST	Thunderstorm Wind	50 kts. EG	0	0	5.00K	0.00K
COUNTYWIDE	LOWNDES CO.	GA	05/02/2003	23:40	EST	Thunderstorm Wind	50 kts. EG	0	0	1.00K	0.00K
COUNTYWIDE	LOWNDES CO.	GA	06/16/2003	16:45	EST	Thunderstorm Wind	50 kts. EG	0	0	2.00K	0.00K
SOUTHEAST PORTION	LOWNDES CO.	GA	07/23/2003	12:40	EST	Thunderstorm Wind	50 kts. EG	0	0	5.00K	0.00K
VALDOSTA	LOWNDES CO.	GA	07/29/2003	16:00	EST	Thunderstorm Wind	50 kts. EG	0	0	2.00K	0.00K
VALDOSTA	LOWNDES CO.	GA	06/30/2004	16:39	EST	Thunderstorm Wind	50 kts. EG	0	0	10.00K	0.00K
LAKE PARK	LOWNDES CO.	GA	07/15/2004	08:30	EST	Thunderstorm Wind	50 kts. EG	0	0	2.00K	0.00K
VALDOSTA	LOWNDES CO.	GA	07/15/2004	18:30	EST	Thunderstorm Wind	50 kts. EG	0	1	10.00K	0.00K
BEMISS	LOWNDES CO.	GA	04/08/2006	17:26	EST	Thunderstorm Wind	55 kts. EG	0	0	0.50K	0.00K
CLYATTVILLE	LOWNDES CO.	GA	06/26/2006	20:05	EST	Thunderstorm Wind	55 kts. EG	0	0	10.00K	0.00K
VALDOSTA	LOWNDES CO.	GA	07/16/2006	20:00	EST	Thunderstorm Wind	50 kts. EG	0	0	2.00K	0.00K
VALDOSTA	LOWNDES CO.	GA	07/27/2006	19:29	EST	Thunderstorm Wind	55 kts. EG	0	0	10.00K	0.00K
VALDOSTA	LOWNDES CO.	GA	07/28/2006	17:30	EST	Thunderstorm Wind	55 kts. EG	0	0	1.00K	0.00K
LAKE PARK	LOWNDES CO.	GA	07/28/2006	20:30	EST	Thunderstorm Wind	60 kts. EG	0	0	15.00K	0.00K
VALDOSTA	LOWNDES CO.	GA	08/04/2006	17:45	EST	Thunderstorm Wind	55 kts. EG	0	0	10.00K	0.00K
VALDOSTA	LOWNDES CO.	GA	08/08/2006	16:10	EST	Thunderstorm Wind	55 kts. EG	0	0	50.00K	0.00K
COUNTYWIDE	LOWNDES CO.	GA	08/08/2006	18:10	EST	Thunderstorm Wind	55 kts. EG	0	0	10.00K	0.00K
HAHIRA	LOWNDES CO.	GA	06/12/2007	07:05	EST-5	Thunderstorm Wind	50 kts. EG	0	0	100.00K	0.00K
(VAD)MOODY AFB VALDO	LOWNDES CO.	GA	06/12/2007	07:40	EST-5	Thunderstorm Wind	50 kts. MG	0	0	0.00K	0.00K
VALDOSTA	LOWNDES CO.	GA	07/13/2007	16:10	EST-5	Thunderstorm Wind	55 kts. EG	0	0	5.00K	0.00K
VALDOSTA	LOWNDES CO.	GA	07/13/2007	16:43	EST-5	Thunderstorm Wind	55 kts. EG	0	0	10.00K	0.00K
VALDOSTA	LOWNDES CO.	GA	07/13/2007	16:46	EST-5	Thunderstorm Wind	55 kts. EG	0	0	5.00K	0.00K
HAHIRA	LOWNDES CO.	GA	02/26/2008	11:48	EST-5	Thunderstorm Wind	55 kts. EG	0	0	2.00K	0.00K
HAHIRA	LOWNDES CO.	GA	02/26/2008	11:50	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
HAHIRA	LOWNDES CO.	GA	02/26/2008	11:51	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
CLYATTVILLE	LOWNDES CO.	GA	02/26/2008	12:00	EST-5	Thunderstorm Wind	60 kts. EG	0	0	250.00K	0.00K
HAHIRA	LOWNDES CO.	GA	02/26/2008	13:20	EST-5	Thunderstorm Wind	55 kts. EG	0	0	0.00K	0.00K
REMERTON	LOWNDES CO.	GA	03/07/2008	08:20	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K

LAKE PARK	LOWNDES CO.	GA	05/21/2008	16:50	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
HAHIRA	LOWNDES CO.	GA	06/11/2008	17:30	EST-5	Thunderstorm Wind	60 kts. EG	0	0	25.00K	0.00K
HAHIRA	LOWNDES CO.	GA	06/11/2008	17:30	EST-5	Thunderstorm Wind	60 kts. EG	0	0	10.00K	0.00K
VALDOSTA	LOWNDES CO.	GA	06/25/2008	16:10	EST-5	Thunderstorm Wind	50 kts. EG	0	0	5.00K	0.00K
CLYATTVILLE	LOWNDES CO.	GA	07/21/2008	17:51	EST-5	Thunderstorm Wind	55 kts. EG	0	0	0.25K	0.00K
DELMAR	LOWNDES CO.	GA	08/07/2008	16:55	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
LAKE PARK	LOWNDES CO.	GA	06/02/2009	20:20	EST-5	Thunderstorm Wind	50 kts. EG	0	0	3.00K	0.00K
VALDOSTA	LOWNDES CO.	GA	06/02/2009	20:40	EST-5	Thunderstorm Wind	50 kts. EG	0	0	3.00K	0.00K
HAHIRA	LOWNDES CO.	GA	06/02/2009	20:55	EST-5	Thunderstorm Wind	50 kts. EG	0	0	25.00K	0.00K
VALDOSTA	LOWNDES CO.	GA	06/29/2009	15:12	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
BARRETTS	LOWNDES CO.	GA	07/02/2009	16:00	EST-5	Thunderstorm Wind	55 kts. EG	0	0	20.00K	0.00K
VALDOSTA	LOWNDES CO.	GA	08/07/2009	15:50	EST-5	Thunderstorm Wind	50 kts. EG	0	0	2.00K	0.00K
VALDOSTA	LOWNDES CO.	GA	10/16/2009	04:10	EST-5	Thunderstorm Wind	50 kts. EG	0	0	5.00K	0.00K
VALDOSTA	LOWNDES CO.	GA	01/21/2010	10:49	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
LAKE PARK	LOWNDES CO.	GA	06/16/2010	19:51	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.50K	0.00K
I-75 AT EXIT 29	LOWNDES CO.	GA	07/14/2010	15:15	EST-5	Thunderstorm Wind	50 kts. EG	0	0	2.00K	0.00K
(VAD)MOODY AFB	LOWNDES CO.	GA	07/28/2010	15:59	EST-5	Thunderstorm Wind	66 kts. MG	0	0	0.00K	0.00K
VALDOSTA	LOWNDES CO.	GA	07/31/2010	16:00	EST-5	Thunderstorm Wind	55 kts. EG	0	0	18.50K	0.00K
(VAD)MOODY AFB	LOWNDES CO.	GA	04/05/2011	03:16	EST-5	Thunderstorm Wind	51 kts. MG	0	0	0.00K	0.00K
I-75 AT EXIT 16	LOWNDES CO.	GA	04/05/2011	03:30	EST-5	Thunderstorm Wind	50 kts. EG	0	0	5.00K	0.00K
HAHIRA	LOWNDES CO.	GA	06/12/2011	20:25	EST-5	Thunderstorm Wind	50 kts. EG	0	0	8.00K	0.00K
VALDOSTA	LOWNDES CO.	GA	06/17/2011	16:44	EST-5	Thunderstorm Wind	55 kts. EG	0	0	5.00K	0.00K
(VAD)MOODY AFB	LOWNDES CO.	GA	06/23/2011	16:08	EST-5	Thunderstorm Wind	55 kts. EG	0	0	5.00K	0.00K
LAKE PARK	LOWNDES CO.	GA	09/05/2011	15:19	EST-5	Thunderstorm Wind	50 kts. EG	0	0	4.00K	0.00K
(VAD)MOODY AFB	LOWNDES CO.	GA	03/03/2012	11:40	EST-5	Thunderstorm Wind	50 kts. EG	0	0	4.00K	0.00K
(VAD)MOODY AFB	LOWNDES CO.	GA	03/03/2012	13:40	EST-5	Thunderstorm Wind	50 kts. EG	0	0	1.00K	0.00K
REMERTON	LOWNDES CO.	GA	03/03/2012	14:28	EST-5	Thunderstorm Wind	50 kts. EG	0	0	1.00K	0.00K
I-75 AT EXIT 29	LOWNDES CO.	GA	05/06/2012	15:03	EST-5	Thunderstorm Wind	50 kts. EG	0	0	1.00K	0.00K
KINDERLOU	LOWNDES CO.	GA	05/06/2012	15:40	EST-5	Thunderstorm Wind	50 kts. EG	0	0	1.00K	0.00K
CLYATTVILLE	LOWNDES CO.	GA	05/06/2012	16:10	EST-5	Thunderstorm Wind	50 kts. EG	0	0	1.00K	0.00K
HAHIRA	LOWNDES CO.	GA	05/31/2012	16:23	EST-5	Thunderstorm Wind	55 kts. EG	0	0	1.00K	0.00K
I-75 AT EXIT 29	LOWNDES CO.	GA	06/05/2012	16:50	EST-5	Thunderstorm Wind	55 kts. EG	0	0	3.00K	0.00K
BARRETTS	LOWNDES CO.	GA	06/11/2012	16:02	EST-5	Thunderstorm Wind	50 kts. EG	0	0	1.00K	0.00K
HAHIRA	LOWNDES CO.	GA	07/01/2012	22:15	EST-5	Thunderstorm Wind	50 kts. EG	0	0	3.00K	0.00K
VALDOSTA	LOWNDES CO.	GA	07/01/2012	22:27	EST-5	Thunderstorm Wind	50 kts. EG	0	0	3.00K	0.00K
(VAD)MOODY AFB	LOWNDES CO.	GA	07/03/2012	17:54	EST-5	Thunderstorm Wind	50 kts. EG	0	0	5.00K	0.00K
REMERTON	LOWNDES CO.	GA	07/25/2012	16:49	EST-5	Thunderstorm Wind	50 kts. EG	0	0	2.00K	0.00K
I-75 AT EXIT 16	LOWNDES CO.	GA	07/25/2012	17:00	EST-5	Thunderstorm Wind	50 kts. EG	0	0	4.00K	0.00K
I-75 AT EXIT 5	LOWNDES CO.	GA	07/26/2012	15:50	EST-5	Thunderstorm Wind	50 kts. EG	0	0	1.00K	0.00K
KINDERLOU	LOWNDES CO.	GA	07/26/2012	16:00	EST-5	Thunderstorm Wind	50 kts. EG	0	0	1.00K	0.00K
CLYATTVILLE	LOWNDES CO.	GA	07/26/2012	16:00	EST-5	Thunderstorm Wind	50 kts. EG	0	0	1.00K	0.00K
KINDERLOU	LOWNDES CO.	GA	07/26/2012	16:03	EST-5	Thunderstorm Wind	50 kts. EG	0	0	1.00K	0.00K
VALDOSTA	LOWNDES CO.	GA	08/10/2012	09:34	EST-5	Thunderstorm Wind	50 kts. EG	0	0	7.00K	0.00K
VALDOSTA	LOWNDES CO.	GA	08/10/2012	09:42	EST-5	Thunderstorm Wind	50 kts. EG	0	0	1.00K	0.00K
(VAD)MOODY AFB	LOWNDES CO.	GA	08/10/2012	09:45	EST-5	Thunderstorm Wind	50 kts. EG	0	0	1.00K	0.00K
I-75 AT EXIT 11	LOWNDES CO.	GA	09/18/2012	07:58	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.75K	0.00K
VALDOSTA	LOWNDES CO.	GA	09/18/2012	08:00	EST-5	Thunderstorm Wind	50 kts. EG	0	0	2.00K	0.00K
REMERTON	LOWNDES CO.	GA	09/20/2012	14:25	EST-5	Thunderstorm Wind	55 kts. EG	0	0	0.00K	0.00K
VALDOSTA	LOWNDES CO.	GA	01/30/2013	20:15	EST-5	Thunderstorm Wind	50 kts. EG	0	0	8.00K	0.00K
NAYLOR	LOWNDES CO.	GA	07/05/2013	14:45	EST-5	Thunderstorm Wind	50 kts. EG	0	0	1.00K	0.00K
NAYLOR	LOWNDES CO.	GA	08/14/2013	15:15	EST-5	Thunderstorm Wind	45 kts. EG	0	0	0.50K	0.00K
CLYATTVILLE	LOWNDES CO.	GA	09/06/2013	16:40	EST-5	Thunderstorm Wind	50 kts. EG	0	0	2.00K	0.00K
REMERTON	LOWNDES CO.	GA	01/11/2014	14:25	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
VALDOSTA	LOWNDES CO.	GA	01/11/2014	14:30	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.50K	0.00K
I-75 AT EXIT 11	LOWNDES CO.	GA	02/15/2014	03:05	EST-5	Thunderstorm Wind	50 kts. EG	0	0	2.00K	0.00K
I-75 AT EXIT 29	LOWNDES CO.	GA	02/21/2014	09:05	EST-5	Thunderstorm Wind	50 kts. EG	0	0	1.00K	0.00K
(VLD)VALDOSTA REGIONAL ARPT	LOWNDES CO.	GA	02/21/2014	09:25	EST-5	Thunderstorm Wind	50 kts. EG	0	0	1.00K	0.00K
DASHER	LOWNDES CO.	GA	02/21/2014	09:25	EST-5	Thunderstorm Wind	60 kts. EG	0	0	50.00K	0.00K

VALDOSTA	LOWNDES CO.	GA	03/16/2014	13:55	EST-5	Thunderstorm Wind	55 kts. EG	0	0	5.00K	0.00K
TWIN LAKES	LOWNDES CO.	GA	03/16/2014	14:00	EST-5	Thunderstorm Wind	55 kts. EG	0	0	5.00K	0.00K
CLYATTVILLE	LOWNDES CO.	GA	04/07/2014	17:42	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.50K	0.00K
VALDOSTA	LOWNDES CO.	GA	04/07/2014	17:52	EST-5	Thunderstorm Wind	55 kts. EG	0	0	100.00K	0.00K
(VAD)MOODY AFB	LOWNDES CO.	GA	05/29/2014	16:44	EST-5	Thunderstorm Wind	50 kts. EG	0	0	5.00K	0.00K
KINDERLOU	LOWNDES CO.	GA	06/06/2014	22:38	EST-5	Thunderstorm Wind	50 kts. EG	0	0	1.00K	0.00K
VALDOSTA	LOWNDES CO.	GA	06/06/2014	22:40	EST-5	Thunderstorm Wind	55 kts. EG	0	0	4.00K	0.00K
CLYATTVILLE	LOWNDES CO.	GA	06/06/2014	22:45	EST-5	Thunderstorm Wind	50 kts. EG	0	0	1.00K	0.00K
I-75 AT EXIT 29	LOWNDES CO.	GA	06/20/2014	17:20	EST-5	Thunderstorm Wind	50 kts. EG	0	0	3.00K	0.00K
HAHIRA	LOWNDES CO.	GA	06/20/2014	17:22	EST-5	Thunderstorm Wind	50 kts. EG	0	0	10.00K	0.00K
DASHER	LOWNDES CO.	GA	06/21/2014	16:58	EST-5	Thunderstorm Wind	50 kts. EG	0	0	1.00K	0.00K
DASHER	LOWNDES CO.	GA	06/21/2014	16:58	EST-5	Thunderstorm Wind	50 kts. EG	0	0	2.00K	0.00K
DASHER	LOWNDES CO.	GA	06/22/2014	15:13	EST-5	Thunderstorm Wind	60 kts. EG	0	0	10.00K	0.00K
LAKE PARK	LOWNDES CO.	GA	06/22/2014	16:00	EST-5	Thunderstorm Wind	60 kts. EG	0	0	10.00K	0.00K
(VLD)VALDOSTA REGIONAL ARPT	LOWNDES CO.	GA	07/03/2014	14:48	EST-5	Thunderstorm Wind	50 kts. EG	0	0	5.00K	0.00K
I-75 AT EXIT 29	LOWNDES CO.	GA	07/09/2014	16:52	EST-5	Thunderstorm Wind	50 kts. EG	0	0	1.00K	0.00K
BARRETTS	LOWNDES CO.	GA	07/09/2014	17:00	EST-5	Thunderstorm Wind	50 kts. EG	0	0	1.00K	0.00K
BARRETTS	LOWNDES CO.	GA	07/09/2014	17:38	EST-5	Thunderstorm Wind	55 kts. EG	0	0	10.00K	0.00K
I-75 AT EXIT 29	LOWNDES CO.	GA	07/15/2014	12:37	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.50K	0.00K
REMERTON	LOWNDES CO.	GA	08/19/2014	12:32	EST-5	Thunderstorm Wind	50 kts. EG	0	0	0.50K	0.00K
VALDOSTA	LOWNDES CO.	GA	11/23/2014	17:36	EST-5	Thunderstorm Wind	50 kts. EG	0	0	20.00K	0.00K
Totals:								0	1	2.788M	1.50K

[Privacy Policy](#) | [FOIA](#) | [Information Quality](#) | [Disclaimer](#) | [Contact Us](#)



National Climatic Data Center

[Home](#) [Contact Us](#) [About NCDC](#) [Help](#)

NCDC > Storm Events Database (Select State) > (Select Date/County/Event)

Storm Events Database

Data Access

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

Documentation

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

External Resources

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

Storm Events Database

Search Results for Lowndes County, Georgia

19 events were reported between 01/01/1950 and 12/31/2014 (23741 days)

Summary Info:

Number of County/Zone areas affected:	1
Number of Days with Event:	19
Number of Days with Event and Death:	0
Number of Days with Event and Death or Injury:	3
Number of Days with Event and Property Damage:	18
Number of Days with Event and Crop Damage:	1
Number of Event Types reported:	1

Column Definitions:

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

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

Data Export: (current results)

Select: Sort By:

Location	County/Zone	St.	Date	Time	T.Z.	Type	Mag	Dth	Inj	PrD	CrD
Totals:								0	12	4.817M	100.00K
LOWNDES CO.	LOWNDES CO.	GA	06/04/1956	18:15	CST	Tornado	F1	0	0	25.00K	0.00K
LOWNDES CO.	LOWNDES CO.	GA	02/04/1959	14:50	CST	Tornado	F1	0	0	25.00K	0.00K
LOWNDES CO.	LOWNDES CO.	GA	08/24/1960	15:20	CST	Tornado	F0	0	0	250.00K	0.00K
LOWNDES CO.	LOWNDES CO.	GA	12/18/1961	07:30	CST	Tornado	F2	0	0	25.00K	0.00K
LOWNDES CO.	LOWNDES CO.	GA	07/08/1966	14:35	CST	Tornado	F2	0	1	250.00K	0.00K
LOWNDES CO.	LOWNDES CO.	GA	05/22/1967	11:30	CST	Tornado	F2	0	0	25.00K	0.00K
LOWNDES CO.	LOWNDES CO.	GA	12/03/1968	09:30	CST	Tornado	F2	0	0	2.50K	0.00K
LOWNDES CO.	LOWNDES CO.	GA	02/08/1971	06:45	CST	Tornado	F1	0	2	25.00K	0.00K
LOWNDES CO.	LOWNDES CO.	GA	06/27/1972	15:00	CST	Tornado	F0	0	0	25.00K	0.00K
LOWNDES CO.	LOWNDES CO.	GA	01/30/1974	04:30	CST	Tornado	F1	0	0	25.00K	0.00K
LOWNDES CO.	LOWNDES CO.	GA	06/23/1977	16:30	CST	Tornado	F1	0	0	250.00K	0.00K
LOWNDES CO.	LOWNDES CO.	GA	05/16/1983	09:15	CST	Tornado	F1	0	0	25.00K	0.00K
LOWNDES CO.	LOWNDES CO.	GA	04/25/1988	08:15	EST	Tornado	F1	0	0	2.500M	0.00K
VALDOSTA	LOWNDES CO.	GA	11/01/1997	21:30	EST	Tornado	F1	0	0	350.00K	0.00K
VALDOSTA	LOWNDES CO.	GA	09/05/2004	15:15	EST	Tornado	F0	0	0	5.00K	0.00K
LAKE PARK	LOWNDES CO.	GA	03/02/2007	02:55	EST-5	Tornado	EF0	0	0	10.00K	0.00K
BARRETTS	LOWNDES CO.	GA	03/03/2012	12:56	EST-5	Tornado	EF2	0	0	250.00K	100.00K
KINDERLOU	LOWNDES CO.	GA	12/23/2014	13:58	EST-5	Tornado	EF0	0	0	0.00K	0.00K
VALDOSTA	LOWNDES CO.	GA	12/29/2014	11:26	EST-5	Tornado	EF2	0	9	750.00K	0.00K
Totals:								0	12	4.817M	100.00K

[Privacy Policy](#) | [FOIA](#) | [Information Quality](#) | [Disclaimer](#) | [Contact Us](#)

National Climatic Data Center

[Home](#) [Contact Us](#) [About NCDC](#) [Help](#)

NCDC > Storm Events Database (Select State) > (Select Date/County/Event)

Storm Events Database

Data Access

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

Documentation

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

External Resources

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

Storm Events Database

Search Results for Lowndes County, Georgia

2 events were reported between 01/01/1950 and 12/31/2014 (23741 days)

Summary Info:

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

Column Definitions:

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

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

Data Export: (current results)

Location	County/Zone	St.	Date	Time	T.Z.	Type	Mag	Dth	Inj	PrD	CrD
Totals:								0	0	0.00K	0.00K
I-75 AT EXIT 22	LOWNDES CO.	GA	02/28/2009	18:23	EST-5	Funnel Cloud		0	0	0.00K	0.00K
BARRETTTS	LOWNDES CO.	GA	03/03/2012	12:48	EST-5	Funnel Cloud		0	0	0.00K	0.00K
Totals:								0	0	0.00K	0.00K

[Privacy Policy](#) | [FOIA](#) | [Information Quality](#) | [Disclaimer](#) | [Contact Us](#)

GEMA Worksheet #3a**Inventory of Assets****Jurisdiction: Lowndes****Hazard: High Winds**

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	31,847	31,847	100.000%	2,755,703,596	2,755,703,596	100.000%	112,515	112,515	100%
Commercial	3,742	3,742	100.000%	1,184,803,804	1,184,803,804	100.000%	0	0	0%
Industrial	364	364	100.000%	226,661,336	226,661,336	100.000%	0	0	0%
Agricultural	1,237	1,237	100.000%	119,283,276	119,283,276	100.000%	0	0	0%
Religious/ Non-profit	401	401	100.000%	155,502,640	155,502,640	100.000%	0	0	0%
Government	338	338	100.000%	239,948,753	239,948,753	100.000%	0	0	0%
Education	83	83	100.000%	112,974,247	112,974,247	100.000%	0	0	0%
Utilities	111	111	100.000%	15,186,185	15,186,185	100.000%	0	0	0%
Total	38,123	38,123	100.000%	4,810,063,837	4,810,063,837	100.000%	112,515	112,515	100%

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

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

Facility Wind Hazard All Hazards > 0

Jurisdiction	Name	Hazard Score	Value	Replacement Value Year	Building size	Functional Use value	Facility type	Risk
Lowndes County	Clyattville Elementary School	3	12687570	2014	93982	0	Education, K - 12	Important, Vulnerable Population
Lowndes County	LOWNDES CO- SR 31 CLYATVILLE #2 (SL)	3	371520	2014	2752	0	Government, Government Offices	Essential, Important
Lowndes County	Lowndes County Fire Rescue - Clyattville Station 1	3	643140	2014	4764	0	Emergency Services, Fire Fighters	Essential, Important, Economic Assets
Lowndes County	Lowndes County Fire Rescue - Clyattville Station 2	3	270000	2014	2000	0	Emergency Services, Fire Fighters	Essential, Important, Economic Assets
Lowndes County	Lowndes County Fire Rescue - Westside Station 2	3	270000	2014	2000	0	Emergency Services, Fire Fighters	Essential, Important, Economic Assets
Lowndes County	Lowndes County Utilities Sprayfield	3	54000	2014	400	0	Government, Government Offices	Essential, Important, Economic Assets
Lowndes County	Lowndes County Board of Commissioners	3	82350	2014	610	0	Government, Government Offices	Essential, Important, Economic Assets
Lake City city	Lake Park Elementary School	3	1044630	2014	7738	0	Education, K - 12	Important, Vulnerable Population, Economic Assets
Lake City city	Lake Park Police Department	3	110565	2014	819	0	Emergency Services, Police	Essential, Important, Economic Assets

Facility Wind Hazard All Hazards > 0

Jurisdiction	Name	Hazard Score	Value	Replacement Value Year	Building size	Functional Use value	Facility type	Risk
Lowndes County	Lowndes County Fire Rescue - Twin Lakes Station 1	3	491400	2014	3640	0	Emergency Services, Fire Fighters	Essential, Important, Economic Assets
Lake City city	Lake Park Fire Department	3	172800	2014	1280	0	Emergency Services, Fire Fighters	Essential, Important, Economic Assets
Lake City city	Lake Park City Hall	3	283500	2014	2100	0	Government, City Hall	Essential, Important, Economic Assets
Lake City city	City of Lake Park	3	251235	2014	1861	0	Government, City Hall	Essential, Important, Economic Assets
Lowndes County	Schroer Estates Subdivision	3	293760	2014	2176	0	NGO, Government Offices	Important, Economic Assets
Lowndes County	Lowndes County Fire Rescue - Twin Lakes Station 2	3	270000	2014	2000	0	Emergency Services, Fire Fighters	Essential, Important, Economic Assets
Valdosta city	South Lowndes Recreation Center	3	13500	2014	100	0	Government, Government Offices	Essential, Important, Economic Assets
Lake City city	Lake Park Health Clinic	3	93879	2014	1788	0	Medical, Clinics	Essential, Hazardous Materials, Important, Economic Assets
Valdosta city	J. L. Newbern Middle School	2	14937210	2014	110646	0	Education, K - 12	Important, Vulnerable Population
Lowndes County	Lowndes Middle School	2	16493355	2014	122173	0	Education, K - 12	Important, Vulnerable Population
Valdosta city	Maceo Horne Learning Center	2	8397540	2014	62204	0	Education, K - 12	Important, Vulnerable Population
Valdosta city	Pinevale Elementary	2	12156075	2014	90045	0	Education, K - 12	Important, Vulnerable Population

Facility Wind Hazard All Hazards > 0

Jurisdiction	Name	Hazard Score	Value	Replacement Value Year	Building size	Functional Use value	Facility type	Risk
Lowndes County	Moulton-Branch Elementary School	2	9158535	2014	67841	0	Education, K - 12	Important, Vulnerable Population
Valdosta city	Valdosta Middle School	2	14937210	2014	110646	0	Education, K - 12	Important, Vulnerable Population
Valdosta city	Parker Mathis Learning Center	2	6914835	2014	51221	0	Education, K - 12	Important, Vulnerable Population
Hahira city	Hahira Elementary School	2	10811880	2014	80088	0	Education, K - 12	Important, Vulnerable Population
Valdosta city	W. G. Nunn Elementary School	2	9813015	2014	72689	0	Education, K - 12	Important, Vulnerable Population
Valdosta city	SL Mason Elementary School	2	7903845	2014	58547	0	Education, K - 12	Important, Vulnerable Population
Valdosta city	Sallas Mahone Elementary School	2	13360275	2014	98965	0	Education, K - 12	Important, Vulnerable Population
Valdosta city	Valdosta Early College Academy	2	6341355	2014	46973	0	Education, K - 12	Important, Vulnerable Population
Hahira city	Hahira Middle School	2	18987480	2014	140648	0	Education, K - 12	Important, Vulnerable Population
Valdosta city	Reade Residence Hall	2	5839965	2014	43259	0	Education, University	Important, Vulnerable Population
Valdosta city	Georgia Residence Hall	2	18664290	2014	138254	0	Education, University	Important, Vulnerable Population
Valdosta city	Langdale Residence Hall	2	14309865	2014	105999	0	Education, University	Important, Vulnerable Population
Valdosta city	Farber Hall	2	931500	2014	6900	0	Education, University	Important, Vulnerable Population

Facility Wind Hazard All Hazards > 0

Jurisdiction	Name	Hazard Score	Value	Replacement Value Year	Building size	Functional Use value	Facility type	Risk
Valdosta city	Hopper Residence Hall	2	21037050	2014	155830	0	Education, University	Important, Vulnerable Population
Valdosta city	University Union	2	15322500	2014	113500	0	Education, University	Important, Vulnerable Population
Valdosta city	Pine Hall	2	3096900	2014	22940	0	Education, University	Important, Vulnerable Population
Valdosta city	Fine Arts Building	2	12487230	2014	92498	0	Education, University	Important, Vulnerable Population
Valdosta city	Fine Arts Mechanical Building	2	172935	2014	1281	0	Education, University	Important, Vulnerable Population
Valdosta city	Boiler House	2	569565	2014	4219	0	Education, University	Important, Vulnerable Population
Valdosta city	Education Center	2	9938700	2014	73620	0	Education, University	Important, Vulnerable Population
Valdosta city	PE Complex	2	14302575	2014	105945	0	Education, University	Important, Vulnerable Population
Valdosta city	Carswell House	2	287145	2014	2127	0	Education, University	Important, Vulnerable Population
Valdosta city	Honor's House International Programs	2	293220	2014	2172	0	Education, University	Important, Vulnerable Population
Valdosta city	Alumni Hosue	2	497610	2014	3686	0	Education, University	Important, Vulnerable Population
Valdosta city	Strategic Research & Analysis	2	361395	2014	2677	0	Education, University	Important, Vulnerable Population
Valdosta city	Admissions	2	726570	2014	5382	0	Education, University	Important, Vulnerable Population
Valdosta city	West Hall	2	8224605	2014	60923	0	Education, University	Important, Vulnerable Population

Facility Wind Hazard All Hazards > 0

Jurisdiction	Name	Hazard Score	Value	Replacement Value Year	Building size	Functional Use value	Facility type	Risk
Valdosta city	Bailey Science Center	2	20002275	2014	148165	0	Education, University	Important, Vulnerable Population
Valdosta city	Nevins Hall	2	14080500	2014	104300	0	Education, University	Important, Vulnerable Population
Valdosta city	Band House Music Annex	2	253260	2014	1876	0	Education, University	Important, Vulnerable Population
Valdosta city	Radio House	2	245295	2014	1817	0	Education, University	Important, Vulnerable Population
Valdosta city	Martin Hall School of Nursing	2	2480355	2014	18373	0	Education, University	Important, Vulnerable Population
Valdosta city	Print Shop	2	1205010	2014	8926	0	Education, University	Important, Vulnerable Population
Valdosta city	Thaxton Hall	2	1630125	2014	12075	0	Education, University	Important, Vulnerable Population
Valdosta city	Barrow Hall / ROTC	2	1647135	2014	12201	0	Education, University	Important, Vulnerable Population
Valdosta city	Pound Hall	2	4175550	2014	30930	0	Education, University	Important, Vulnerable Population
Valdosta city	Warehouse NC2	2	735615	2014	5449	0	Education, University	Important, Vulnerable Population
Valdosta city	Greenhouse	2	404595	2014	2997	0	Education, University	Important, Vulnerable Population
Valdosta city	NOCO Concessions	2	94770	2014	702	0	Education, University	Important, Vulnerable Population
Valdosta city	Powell Hall	2	3431835	2014	25421	0	Education, University	Important, Vulnerable Population
Valdosta city	University Relations	2	363285	2014	2691	0	Education, University	Important, Vulnerable Population
Valdosta city	Palms Dining Center	2	4213485	2014	31211	0	Education, University	Important, Vulnerable Population

Facility Wind Hazard All Hazards > 0

Jurisdiction	Name	Hazard Score	Value	Replacement Value Year	Building size	Functional Use value	Facility type	Risk
Valdosta city	Psychology Class B	2	432135	2014	3201	0	Education, University	Important, Vulnerable Population
Valdosta city	Continuing Ed / Psychology Building	2	3663630	2014	27138	0	Education, University	Important, Vulnerable Population
Valdosta city	Old Housing & Residence Life	2	360315	2014	2669	0	Education, University	Important, Vulnerable Population
Valdosta city	Institutional Advancement	2	400005	2014	2963	0	Education, University	Important, Vulnerable Population
Valdosta city	Old COOP/Williams House	2	349380	2014	2588	0	Education, University	Important, Vulnerable Population
Valdosta city	Seago House/ EOP	2	748035	2014	5541	0	Education, University	Important, Vulnerable Population
Valdosta city	University Bursary	2	492885	2014	3651	0	Education, University	Important, Vulnerable Population
Valdosta city	University Center	2	20366370	2014	150862	0	Education, University	Important, Vulnerable Population
Valdosta city	Chemical Management	2	167265	2014	1239	0	Education, University	Important, Vulnerable Population
Valdosta city	English Language Institute 2	2	427950	2014	3170	0	Education, University	Important, Vulnerable Population
Valdosta city	Softball Ticket Booth	2	14850	2014	110	0	Education, University	Important, Vulnerable Population
Valdosta city	Softball Field House	2	311580	2014	2308	0	Education, University	Important, Vulnerable Population
Valdosta city	University Park 2	2	316575	2014	2345	0	Education, University	Important, Vulnerable Population
Valdosta city	University Park 1	2	292815	2014	2169	0	Education, University	Important, Vulnerable Population
Valdosta city	One Card	2	663525	2014	4915	0	Education, University	Important, Vulnerable Population

Facility Wind Hazard All Hazards > 0

Jurisdiction	Name	Hazard Score	Value	Replacement Value Year	Building size	Functional Use value	Facility type	Risk
Valdosta city	Student Recreation Center	2	10310220	2014	76372	0	Education, University	Important, Vulnerable Population
	Special Ed/Communication Disorders							
Valdosta city		2	3422250	2014	25350	0	Education, University	Important, Vulnerable Population
Valdosta city	MFT Clinic	2	231255	2014	1713	0	Education, University	Important, Vulnerable Population
Valdosta city	Baseball Field House	2	1371735	2014	10161	0	Education, University	Important, Vulnerable Population
Valdosta city	Plant Operations	2	6878520	2014	50952	0	Education, University	Important, Vulnerable Population
Valdosta city	Plant Ops Storage	2	6878520	2014	50952	0	Education, University	Important, Vulnerable Population
Valdosta city	Patterson Residence Hall	2	8000640	2014	59264	0	Education, University	Important, Vulnerable Population
Valdosta city	Lowndes Residence Hall	2	4744575	2014	35145	0	Education, University	Important, Vulnerable Population
Valdosta city	Centennial Hall East	2	19281240	2014	142824	0	Education, University	Important, Vulnerable Population
Valdosta city	Centennial Hall West	2	9419220	2014	69772	0	Education, University	Important, Vulnerable Population
Valdosta city	Campus Mail	2	406485	2014	3011	0	Education, University	Important, Vulnerable Population
Valdosta city	My Friend's House/Caregivers	2	298890	2014	2214	0	Education, University	Important, Vulnerable Population
Valdosta city	Baytree Apartments	2	475335	2014	3521	0	Education, University	Important, Vulnerable Population
Valdosta city	Odum Library	2	24522075	2014	181645	0	Education, University	Important, Vulnerable Population, Economic Assets

Facility Wind Hazard All Hazards > 0

Jurisdiction	Name	Hazard Score	Value	Replacement Value Year	Building size	Functional Use value	Facility type	Risk
Valdosta city	Oak St. Parking Deck	2	46790055	2014	346593	0	Education, University	Important, Vulnerable Population, Economic Assets
Valdosta city	Sustella St. Parking Deck	2	53922915	2014	399429	0	Education, University	Important, Vulnerable Population, Economic Assets
Valdosta city	Student Health	2	3669975	2014	27185	0	Education, University	Important, Vulnerable Population, Economic Assets
Valdosta city	Brown Residence Hall	2	4909680	2014	36368	0	Education, University	Important, Vulnerable Population, Economic Assets
Valdosta city	Converse Apartments	2	5729400	2014	42440	0	Education, University	Important, Vulnerable Population, Economic Assets
Valdosta city	84 Lift Station	2	135000	2014	1000	0	Government, Government Offices	Essential, Important, Economic Assets
Valdosta city	Traffic Management Center	2	702000	2014	5200	0	Government, Government Offices	Essential, Important, Economic Assets
Valdosta city	Sands Horizon	2	500000	2014	23360	0	Education, Medical Offices	Important, Vulnerable Population, Economic Assets
Valdosta city	Briggs St Elevated Storage Tank	2	135000	2014	1000	0	Government, Government Offices	Essential, Important, Economic Assets
Valdosta city	Pipeyard Elevated Storage Tank	2	135000	2014	1000	0	Government, Government Offices	Essential, Important, Economic Assets

Facility Wind Hazard All Hazards > 0

Jurisdiction	Name	Hazard Score	Value	Replacement Value Year	Building size	Functional Use value	Facility type	Risk
Valdosta city	Food Bank Lift Station	2	135000	2014	1000		Government, Government Offices	Essential, Important, Economic Assets
Valdosta city	Airport Lift Station #1	2	135000	2014	1000		Government, Government Offices	Essential, Important, Economic Assets
Valdosta city	Airport Lift Station #2	2	135000	2014	1000		Government, Government Offices	Essential, Important, Economic Assets
Valdosta city	Martin's Pastry Lift Station	2	135000	2014	1000		Government, Government Offices	Essential, Important, Economic Assets
Valdosta city	Dillard's Lift Station	2	135000	2014	1000		Government, Government Offices	Essential, Important, Economic Assets
Dasher town	Dasher City Hall	2	253800	2014	1880		Government, Government Offices	Essential, Important, Economic Assets
Valdosta city	Lowndes County Judicial and Administrative Complex	2	21600000	2014	160000		Government, Government Offices	Essential, Important, Economic Assets
Valdosta city	South GA Regional Commission	2	1927800	2014	14280		Government, Government Offices	Essential, Important, Economic Assets
Valdosta city	Valdosta Fire Dept Maintenance Facility	2	250000	2014	9120		Government, Fire Fighters	Essential, Important, Economic Assets
Valdosta city	Valdosta Fire Department Training Facility	2	283500	2014	2100		Government, Fire Fighters	Essential, Important, Economic Assets

Facility Wind Hazard All Hazards > 0

Jurisdiction	Name	Hazard Score	Value	Replacement Value Year	Building size	Functional Use value	Facility type	Risk
Valdosta city	Highland Christian School	2	4889970	2014	36222	0	Education, K - 12	Important, Vulnerable Population, Economic Assets
Valdosta city	Lowndes County 911 Center	2	675000	2014	5000	0	Emergency Services, EMA	Essential, Important, Economic Assets
Valdosta city	Valdosta Utilities Office	2	1528200	2014	11320	0	Government, Government Offices	Essential, Important, Economic Assets
Valdosta city	Valdosta Utilities Warehouse	2	1957500	2014	14500	0	Government, Government Offices	Essential, Important, Economic Assets
Valdosta city	Rogers St Lift Station	2	135000	2014	1000	0	Government, Government Offices	Essential, Important, Economic Assets
Valdosta city	Ponderosa Lift Station	2	135000	2014	1000	0	Government, Government Offices	Essential, Important, Economic Assets
Valdosta city	Valdosta Customer Service Center	2	847125	2014	6275	0	Government, Government Offices	Essential, Important, Economic Assets
Valdosta city	Valdosta Maintenance/Fuel Facility	2	2207250	2014	16350	0	Government, Government Offices	Essential, Important, Economic Assets
Valdosta city	94 Lift Station	2	135000	2014	1000	0	Government, Government Offices	Essential, Important, Economic Assets
Lowndes County	Lowndes Middle School	2	1649295	2014	12217	0	Education, K - 12	Important, Vulnerable Population, Economic Assets
Valdosta city	Lowndes County EOC	2	1713420	2014	12692	0	Emergency Services, EMA	Essential, Important, Economic Assets

Facility Wind Hazard All Hazards > 0

Jurisdiction	Name	Hazard Score	Value	Replacement Value Year	Building size	Functional Use value	Facility type	Risk
Valdosta city	Lowndes High School	2	44476965	2014	329459	0	Education, K - 12	Important, Vulnerable Population, Economic Assets
Valdosta city	Valdosta Regional Airport	2	1186785	2014	8791	0	Government, Transportation	Essential, Important, Economic Assets
Valdosta city	Valdosta Fire Department HQ	2	1485000	2014	11000	0	Emergency Services, Fire Fighters	Essential, Important, Economic Assets
Valdosta city	Valdosta Fire Department Station 6	2	816750	2014	6050	0	Emergency Services, Fire Fighters	Essential, Important, Economic Assets
Lowndes County	Lowndes County Fire Rescue - Eastside Station 2	2	270000	2014	2000	0	Emergency Services, Fire Fighters	Essential, Important, Economic Assets
Lowndes County	Lowndes County Public Works	2	2025000	2014	15000	0	Government, Government Offices	Essential, Important, Economic Assets
Lowndes County	Westside Elementary School	2	17765595	2014	131597	0	Education, K - 12	Important, Vulnerable Population, Economic Assets
Valdosta city	JL Lomax Elementary School	2	16875000	2014	125000	0	Education, K - 12	Important, Vulnerable Population, Economic Assets
Remerton city	Remerton City Hall, Fire, and Police Departments	2	407700	2014	3020	0	Government, Government Offices	Essential, Important, Economic Assets
Lowndes County	Mud Creek Wastewater Treatment Plant	2	54000	2014	400	0	Government, Water/Sewer	Essential, Important, Economic Assets

Facility Wind Hazard All Hazards > 0

Jurisdiction	Name	Hazard Score	Value	Replacement Value Year	Building size	Functional Use value	Facility type	Risk
Lowndes County	Withlahoochee Wastewater Treatment Plant	2	1418850	2014	10510	0	Government, Water/Sewer	Essential, Important, Economic Assets
Remerton city	Remerton Water Plant	2	57780	2014	428	0	Government, Water/Sewer	Essential, Important, Economic Assets
Dasher town	Georgia Christian School	2	1888920	2014	13992	0	Education, K - 12	Important, Vulnerable Population, Economic Assets
Lowndes County	Lowndes State Prison	2	4159120	2014	16976	0	Government, Penitentiary	Essential, Important, Economic Assets
Lowndes County	Valdosta State Prison	2	9282805	2014	37889	0	Government, Penitentiary	Essential, Important, Economic Assets
Lowndes County	Veolia Pecan Row - Evergren Landfill	2	150000	2014	5799	0	Government, Landfill	Essential, Important, Economic Assets
Valdosta city	Valdosta Public Works	2	1086750	2014	8050	0	Government, Government Offices	Essential, Important, Economic Assets
Valdosta city	Valdosta Police Department	2	2819340	2014	20884	0	Emergency Services, Police	Essential, Important, Economic Assets
Lowndes County	Lowndes County Fire Rescue - Eastside Station 1	2	405000	2014	3000	0	Emergency Services, Fire Fighters	Essential, Important, Economic Assets
Lowndes County	Lowndes County Fire Rescue - Southside Station	2	265545	2014	1967	0	Emergency Services, Fire Fighters	Essential, Important, Economic Assets
Lowndes County	Lowndes County Fire Rescue - Westside Station 1	2	270000	2014	2000	0	Emergency Services, Fire Fighters	Essential, Important, Economic Assets

Facility Wind Hazard All Hazards > 0

Jurisdiction	Name	Hazard Score	Value	Replacement Value Year	Building size	Functional Use value	Facility type	Risk
Valdosta city	Valdosta Fire Department Airport Station	2	3250000	2014	3155	0	Emergency Services, Fire Fighters	Essential, Important, Economic Assets
Remerton city	Remerton Fire Department	2	153090	2014	1134	0	Emergency Services, Fire Fighters	Essential, Important, Economic Assets
Valdosta city	Valdosta Municipal Court Building	2	912600	2014	6760	0	Government, Court House	Essential, Important, Economic Assets
Valdosta city	Valdosta Fire Department Station 3	2	213840	2014	1584	0	Emergency Services, Fire Fighters	Essential, Important, Economic Assets
Valdosta city	Valdosta Fire Department Station 4	2	492750	2014	3650	0	Emergency Services, Fire Fighters	Essential, Important, Economic Assets
Valdosta city	Lowndes County Jail and Sherriff's Office	2	34324255	2014	140099	0	Emergency Services, Sheriff	Essential, Important, Economic Assets
Lowndes County	Lowndes County Fire Rescue - Bemiss Station 2	2	229500	2014	1700	0	Emergency Services, Fire Fighters	Essential, Important, Economic Assets
Lowndes County	Lowndes County Fire Rescue - N Lowndes Station 1	2	378000	2014	2800	0	Emergency Services, Fire Fighters	Essential, Important, Economic Assets
Valdosta city	Valdosta High School	2	6881085	2014	50971	0	Education, K - 12	Important, Vulnerable Population, Economic Assets
Valdosta city	Valdosta-Lowndes County Public Library	2	2553795	2014	18917	0	Government, Library	Essential, Important, Economic Assets

Facility Wind Hazard All Hazards > 0

Jurisdiction	Name	Hazard Score	Value	Replacement Value Year	Building size	Functional Use value	Facility type	Risk
Valdosta city	St. John's Catholic School	2	3314250	2014	24550	0	Education, K - 12	Important, Vulnerable Population, Economic Assets
Lowndes County	Foxborough Lift Station	2	135000	2014	1000	0	Government, Government Offices	Essential, Important, Economic Assets
Valdosta city	Valdosta Fire Department Station 2	2	937575	2014	6945	0	Emergency Services, Fire Fighters	Essential, Important, Economic Assets
Valdosta city	South Georgia Medical Center	2	39943575	2014	177527	0	Emergency Services, Hospital	Essential, Hazardous Materials, Important, Economic Assets
Valdosta city	Greenleaf Center, Inc.- South Georgia	2	8440875	2014	37515	0	Emergency Services, Medical Offices	Essential, Hazardous Materials, Important, Economic Assets
Lowndes County	Wiregrass Technical College	2	1931850	2014	14310	0	Education, VoTech	Important, Vulnerable Population, Economic Assets
Valdosta city	Faith Christian Academy	2	1174905	2014	8703	0	Education, K - 12	Important, Vulnerable Population, Economic Assets
Lowndes County	Lighthouse Christian	2	663390	2014	4914	0	Education, K - 12	Important, Vulnerable Population, Economic Assets
Lowndes County	Open Bible Christian School	2	3666465	2014	27159	0	Education, K - 12	Important, Vulnerable Population, Economic Assets
Valdosta city	United Cerebral Palsy SWEETWATER	2	250000	2014	1000	0	Medical, Non-Profit	Essential, Important, Economic Assets

Facility Wind Hazard All Hazards > 0

Jurisdiction	Name	Hazard Score	Value	Replacement Value Year	Building size	Functional Use value	Facility type	Risk
Valdosta city	Lakeland Hwy Lift Station	2	135000	2014	1000		Government, Government Offices	Essential, Important, Economic Assets
Valdosta city	Hyde Park Lift Station	2	135000	2014	1000		Government, Government Offices	Essential, Important, Economic Assets
Valdosta city	Mack Dr Lift Station	2	135000	2014	1000		Government, Government Offices	Essential, Important, Economic Assets
Valdosta city	South Forty Lift Station	2	135000	2014	1000		Government, Government Offices	Essential, Important, Economic Assets
Valdosta city	Valdosta Inert Landfill	2	150000	2014	1000		Government, Landfill	Essential, Important, Economic Assets
Valdosta city	Valdosta PD Firing Range	2	270000	2014	2000		Emergency Services, Police	Essential, Important, Economic Assets
Valdosta city	Valdosta Regional Crime Lab	2	1725300	2014	12780		Emergency Services, Police	Essential, Important, Economic Assets
Valdosta city	Gornito Rd Elevated Storage Tank	2	135000	2014	1000		Government, Water/Sewer	Essential, Important, Economic Assets
Lowndes County	Smith Northview Hospital	2	15433200	2014	68592		Medical, Hospital	Essential, Hazardous Materials, Important, Economic Assets
Valdosta city	Mathis City Auditorium	2	250000	2014	22676		Government, Government Offices	Essential, Important, Economic Assets
Valdosta city	Park Avenue United Methodist Church	2	250000	2014	76322		NGO, Non-Profit	Important, Economic Assets
Valdosta city	Heritage House Nursing Home	2	250000	2014	32000		Medical, Medical Offices	Essential, Important, Economic Assets

Facility Wind Hazard All Hazards > 0

Jurisdiction	Name	Hazard Score	Value	Replacement Value Year	Building size	Functional Use value	Facility type	Risk
Valdosta city	Holly Hill Nursing Home	2	250000	2014	24229	0	Medical, Medical Offices	Essential, Important, Economic Assets
Valdosta city	Crestwood Nursing Home	2	250000	2014	27622	0	Medical, Medical Offices	Essential, Important, Economic Assets
Valdosta city	Lakehaven Nursing Home	2	250000	2014	22465	0	Medical, Medical Offices	Essential, Important, Economic Assets
Valdosta city	Lowndes County EMS - Station 1	2	303615	2014	2249	0	Emergency Services, EMS	Essential, Important, Economic Assets
Lowndes County	Lowndes County Fire Rescue HQ	2	1140480	2014	8448	0	Emergency Services, Fire Fighters	Essential, Important, Economic Assets
Valdosta city	Valdosta City Hall	2	1659960	2014	12296	0	Government, City Hall	Essential, Important, Economic Assets
Lowndes County	VALDOSTA-WETHERINGTON LANE (SL)	2	511650	2014	3790	0	Government, Government Offices	Essential, Important, Economic Assets
Valdosta city	Valdosta Fire Department Station 5	2	473850	2014	3510	0	Emergency Services, Fire Fighters	Essential, Important, Economic Assets
Valdosta city	Valdosta Water Treatment Plant	2	330075	2014	2445	0	Government, Water/Sewer	Essential, Important, Economic Assets
Lowndes County	Lowndes County Fire Rescue - Bemiss Station 3	2	270000	2014	2000	0	Emergency Services, Fire Fighters	Essential, Important, Economic Assets
Lowndes County	Lowndes County Fire Rescue - Bemiss Station 1	2	472500	2014	3500	0	Emergency Services, Fire Fighters	Essential, Important, Economic Assets
Valdosta city	Dewar Elementary School	2	11322855	2014	83873	0	Education, K - 12	Important, Vulnerable Population, Economic Assets

Facility Wind Hazard All Hazards > 0

Jurisdiction	Name	Hazard Score	Value	Replacement Value Year	Building size	Functional Use value	Facility type	Risk
Lowndes County	Pine Grove Middle School	2	19782765	2014	146539	0	Education, K - 12	Important, Vulnerable Population, Economic Assets
Lowndes County	Pine Grove Elementary School	2	12856050	2014	95230	0	Education, K - 12	Important, Vulnerable Population, Economic Assets
Valdosta city	High School Elevated Storage Tank	2	135000	2014	1000	0	Education, Water/Sewer	Important, Vulnerable Population, Economic Assets
Valdosta city	Little Country Club Lift Station	2	135000	2014	1000	0	Government, Government Offices	Essential, Important, Economic Assets
Valdosta city	Big Country Club Lift Station	2	135000	2014	1000	0	Government, Government Offices	Essential, Important, Economic Assets
Valdosta city	Cherry Creek Lift Station #1	2	135000	2014	1000	0	Government, Government Offices	Essential, Important, Economic Assets
Valdosta city	Cherry Creek Lift Station #2	2	135000	2014	1000	0	Government, Government Offices	Essential, Important, Economic Assets
Valdosta city	Cherry Creek Lift Station #3	2	135000	2014	1000	0	Government, Government Offices	Essential, Important, Economic Assets
Valdosta city	Boys Club Lift Station	2	135000	2014	1000	0	Government, Government Offices	Essential, Important, Economic Assets
Valdosta city	Eastwind Lift Station	2	135000	2014	1000	0	Government, Government Offices	Essential, Important, Economic Assets

Facility Wind Hazard All Hazards > 0

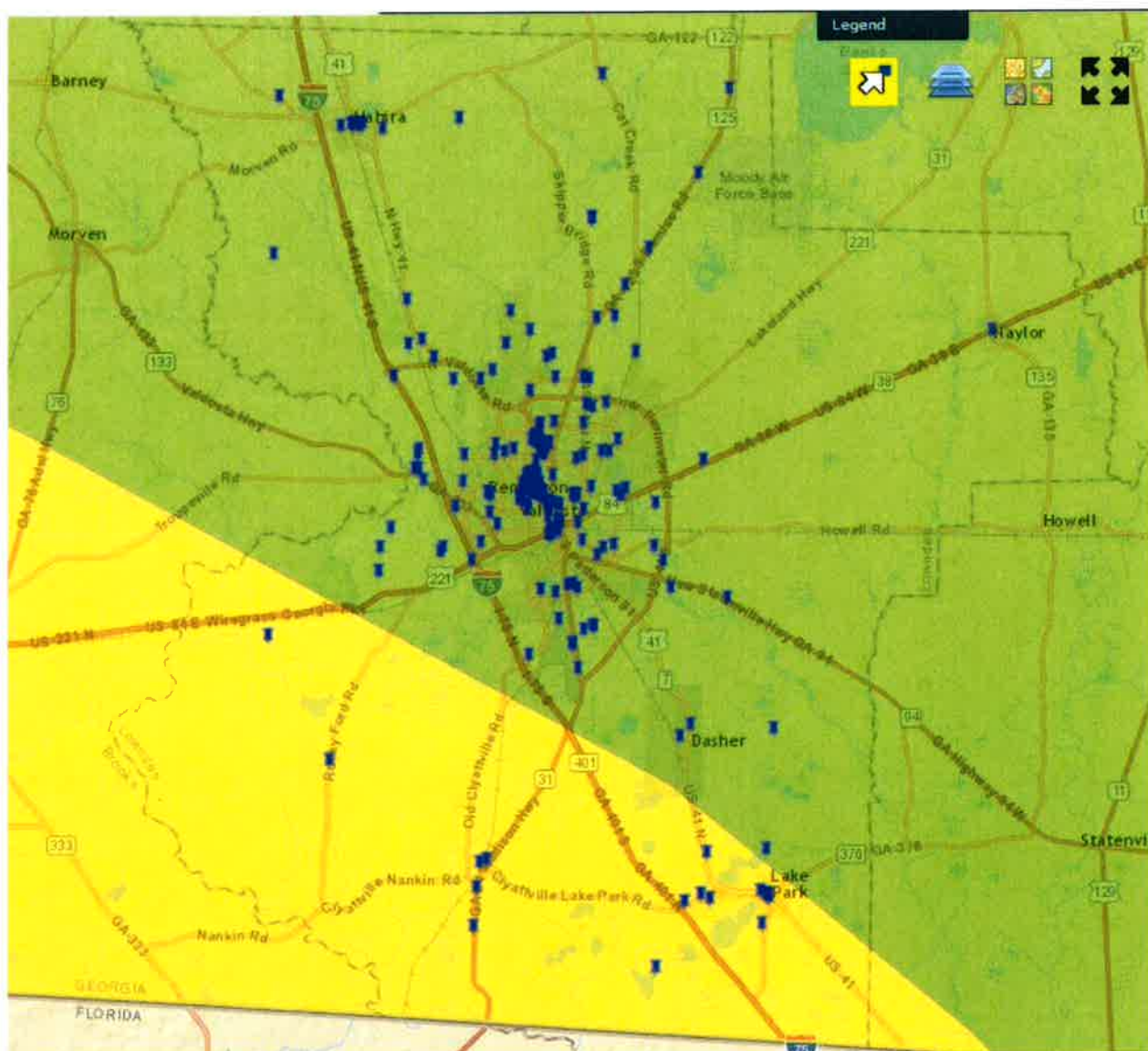
Jurisdiction	Name	Hazard Score	Value	Replacement Value Year	Building size	Functional Use value	Facility type	Risk
Lowndes County	Georgia Military College	2	6507000	2014	48200	0	Education, Jr Colleges	Important, Vulnerable Population, Economic Assets
Valdosta city	Knight's Mill Lift Station	2	135000	2014	1000	0	Government, Government Offices	Essential, Important, Economic Assets
Valdosta city	Goodyear Lift Station	2	135000	2014	1000	0	Government, Government Offices	Essential, Important, Economic Assets
Lowndes County	Valwood School	2	2025000	2014	15000	0	Education, K - 12	Important, Vulnerable Population, Economic Assets
Lowndes County	Lowndes County Fire Rescue - N Lowndes Station 2	2	270000	2014	2000	0	Emergency Services, Fire Fighters	Essential, Important, Economic Assets
Hahira city	Hahira Fire Department	2	675000	2014	5000	0	Emergency Services, Fire Fighters	Essential, Important, Economic Assets
Hahira city	City of Hahira	2	234360	2014	1736	0	Government, City Hall	Essential, Important, Economic Assets
Hahira city	Hahira Police Department, City Hall, and City Jail	2	323190	2014	2394	0	Emergency Services, City Hall	Essential, Important, Economic Assets
Lowndes County	Lowndes County Fire Rescue - Shiloh Station 1	2	194400	2014	1440	0	Emergency Services, Fire Fighters	Essential, Important, Economic Assets
Lowndes County	Lowndes County Fire Rescue - Shiloh Station 2	2	133650	2014	990	0	Emergency Services, Fire Fighters	Essential, Important, Economic Assets

Facility Wind Hazard All Hazards > 0

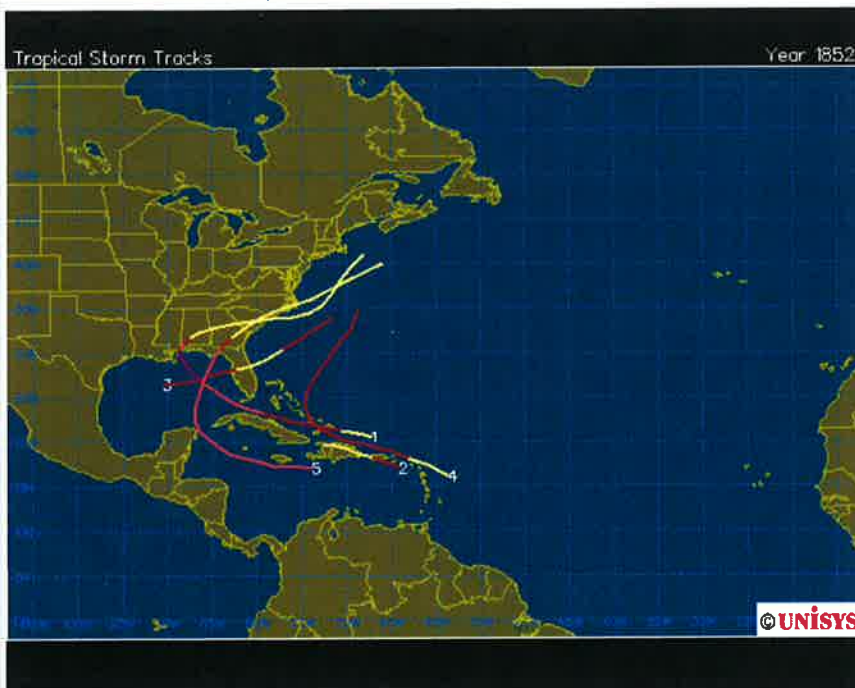
Jurisdiction	Name	Hazard Score	Value	Replacement Value Year	Building size	Functional Use value	Facility type	Risk
Lowndes County	Lowndes County-Twin Lakes WPCP	2	71550	2014	530		Government, Government Offices	Essential, Important, Economic Assets
Lowndes County	Lowndes County Fire Rescue - Naylor Station	2	239760	2014	1776		Emergency Services, Fire Fighters	Essential, Important, Economic Assets
Valdosta city	Mass Media Building	2	2032695	2014	15057		Education, University	Important, Vulnerable Population, Economic Assets
Valdosta city	Ashley Hall	2	3507975	2014	25985		Education, University	Important, Vulnerable Population, Economic Assets
Valdosta city	Continuing Education	2	3663630	2014	27138		Education, University	Important, Vulnerable Population, Economic Assets
Valdosta city	Bursary	2	270000	2014	2000		Education, University	Important, Vulnerable Population, Economic Assets
Valdosta city	Fulbright House	2	485460	2014	3596		Education, University	Important, Vulnerable Population, Economic Assets
Valdosta city	University Union	2	15322500	2014	113500		Education, University	Important, Vulnerable Population, Economic Assets
Valdosta city	112 West Gordon St.	2	784620	2014	5812		Education, University	Important, Vulnerable Population, Economic Assets
Valdosta city	Valdosta State University	2	101250000	2014	750000		Education, University	Important, Vulnerable Population, Economic Assets

Facility Wind Hazard All Hazards > 0

Jurisdiction	Name	Hazard Score	Value	Replacement Value Year	Building size	Functional Use value	Facility type	Risk
Valdosta city	Athletics Field House	2	5535000	2014	41000	0	Education, University	Important, Vulnerable Population, Economic Assets
Valdosta city	Environmental & Occupational Safety	2	304695	2014	2257	0	Education, University	Important, Vulnerable Population, Economic Assets
Valdosta city	Jerry and Kay Jennett Lecture Hall	2	4050000	2014	30000	0	Education, University	Important, Vulnerable Population, Economic Assets
Valdosta city	Psychology and Counseling	2	4050000	2014	30000	0	Education, University	Important, Vulnerable Population, Economic Assets
Lowndes County	Moody AFB	2	0	2014	0	0	Government, Government Offices	Essential, Hazardous Materials, Important, Economic Assets
Valdosta city	New Wastewater Management Center	2	20000000	2014	0	0	Government, Water/Sewer	Essential, Hazardous Materials, Important, Economic Assets
Valdosta city	Leila Ellis Social Service Complex	2	275202	2014	2808	0	Medical, Clinics	Essential, Hazardous Materials, Important, Economic Assets
Valdosta city	South Health District Office	2	1221251	2014	14280	0	Medical, Clinics	Essential, Hazardous Materials, Important, Economic Assets
Valdosta city	Lowndes County Health Department	2	3961790	2014	62343	0	Medical, Clinics	Essential, Hazardous Materials, Important, Economic Assets
Hahira city	Hahira Health Clinic	2	415377	2014	3445	0	Medical, Clinics	Essential, Hazardous Materials, Important, Economic Assets



GMS Critical Facilities Map - Wind

**Unisys Weather**[Weather Home](#)[Weather News](#)[Weather Solutions](#)[Information](#)[Contents](#)**Analyses**[Satellite Images](#)[Surface Data](#)[Upper Air Data](#)[Radar Data](#)**Forecasts**[Model Statistics](#)[NAM/Wrf Model](#)[GFS/Avn Model](#)[RAP Model](#)[ECMWF Model](#)**Archive**[Hurricane Data](#)[Archive of Images](#)[USGS Maps](#)**1852 Hurricane/Tropical Data for Atlantic****Individual Storm Summary**

Winds in knots, pressure in millibars, category is based on Saffir-Simpson scale.

#	Name	Date	Wind	Pres	Cat
1	Hurricane-3 1	19-30 AUG	100	961	3
2	Hurricane-1 2	5- 6 SEP	70	0	1
3	Hurricane-1 3	9-13 SEP	70	0	1
4	Hurricane-1 4	22-30 SEP	80	0	1
5	Hurricane-2 5	6-11 OCT	90	0	2

Saffir-Simpson Scale

The chart color codes intensity (category based on Saffir-Simpson scale)

Type	Category	Pressure (mb)	Winds (knots)	Winds (mph)	Line Color
Depression	td	----	< 34	< 39	Green
Tropical Storm	TS	----	34-63	39-73	Yellow
Hurricane	1	> 980	64-82	74-95	Red
Hurricane	2	965-980	83-95	96-110	Light Red
Hurricane	3	945-965	96-112	111-130	Magenta
Hurricane	4	920-945	113-135	131-155	Light Magenta
Hurricane	5	< 920	>135	>155	White

NOTE: Pressures are in millibars and winds are in knots where one knot is equal to 1.15 mph

Individual Storm Details

• Hurricane-2 5 (06-11 OCT)






Storm - Max Winds: 90 Min Pres: - Category: 2

[DETAILS](#) [Tracking information](#)**Get a Forecast**

Enter a zip code or city name to get forecast:

 NOAA Links[National Climatic Data Center](#)[Climate Prediction Center](#)[National Ocean Service](#)[NOAA Library](#)[NOAA Office of Oceanic and Atmospheric Research](#)[Earth Systems Research Laboratory](#)**About Us**[Overview](#)[Contact Us](#)

10/2/1867
TO 6/8/2013
60

	
	<ul style="list-style-type: none"> • Hurricane-1 4 (22-30 SEP) Storm - Max Winds: 80 Min Pres: - Category: 1 DETAILS Tracking information
	<ul style="list-style-type: none"> • Hurricane-1 3 (09-13 SEP) Storm - Max Winds: 70 Min Pres: - Category: 1 DETAILS Tracking information
	<ul style="list-style-type: none"> • Hurricane-1 2 (05-06 SEP) Storm - Max Winds: 70 Min Pres: - Category: 1 DETAILS Tracking information
	<ul style="list-style-type: none"> • Hurricane-3 1 (19-30 AUG) Storm - Max Winds: 100 Min Pres: 961 Category: 3 DETAILS Tracking information

**Unisys Weather**[Weather Home](#)[Weather News](#)[Weather Solutions](#)[Information](#)[Contents](#)**Analyses**[Satellite Images](#)[Surface Data](#)[Upper Air Data](#)[Radar Data](#)**Forecasts**[Model Statistics](#)[NAM/Wrf Model](#)[GFS/Avn Model](#)[RAP Model](#)[ECMWF Model](#)**Archive**[Hurricane Data](#)[Archive of Images](#)[USGS Maps](#)**1856 Hurricane/Tropical Data for Atlantic**

Tropical Storm Tracks

Year 1856

**Individual Storm Summary**

Winds in knots, pressure in millibars, category is based on Saffir-Simpson scale.

#	Name	Date	Wind	Pres	Cat
1	Hurricane-4	1			
2	Hurricane-1	2			
3	Tropical Storm	3			
4	Tropical Storm	4			
5	Hurricane-3	5			
6	Hurricane-1	6			

Saffir-Simpson Scale

The chart color codes intensity (category based on Saffir-Simpson scale).

Type	Category	Pressure (mb)	Winds (knots)	Winds (mph)	Line Color
Depression	td	< 980	< 34	< 39	Green
Tropical Storm	TS	980-999	34-63	39-73	Yellow
Hurricane	1	980-999	64-82	74-95	Red
Hurricane	2	965-980	83-95	96-110	Light Red
Hurricane	3	945-965	96-112	111-130	Magenta
Hurricane	4	920-945	113-135	131-155	Light Magenta
Hurricane	5	< 920	> 135	> 155	White

NOTE: Pressures are in millibars and winds are in knots where one knot is equal to 1.15 mph

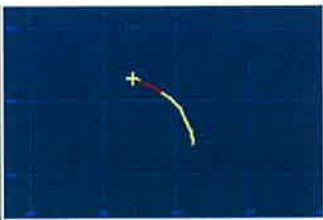





Individual Storm Details

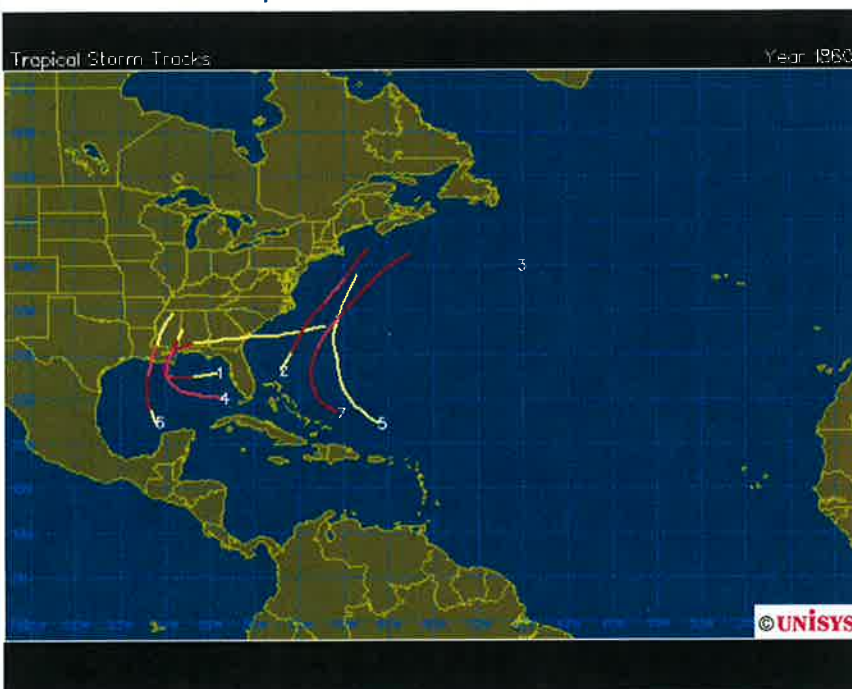
- Hurricane-1 6 (18-22 SEP)
Storm - Max Winds: 70 Min Pres: - Category: 1

Get a Forecast

Enter a zip code or city name to get forecast

[Go](#) [Setup](#)**NOAA Links**[National Climatic Data Center](#)[Climate Prediction Center](#)[National Ocean Service](#)[NOAA Library](#)[NOAA Office of Oceanic and Atmospheric Research](#)[Earth Systems Research Laboratory](#)**About Us**[Overview](#)[Contact Us](#)

	DETAILS Tracking information
	<ul style="list-style-type: none"> • Hurricane-3 5 (25 AUG-03 SEP) Storm - Max Winds: 100 Min Pres: 969 Category: 3 DETAILS Tracking information
	<ul style="list-style-type: none"> • Tropical Storm 4 (21-21 AUG) Storm - Max Winds: 50 Min Pres: - Category: TS DETAILS Tracking information
	<ul style="list-style-type: none"> • Tropical Storm 3 (19-21 AUG) Storm - Max Winds: 50 Min Pres: - Category: TS DETAILS Tracking information
	<ul style="list-style-type: none"> • Hurricane-1 2 (13-14 AUG) Storm - Max Winds: 70 Min Pres: - Category: 1 DETAILS Tracking information
	<ul style="list-style-type: none"> • Hurricane-4 1 (09-12 AUG) Storm - Max Winds: 130 Min Pres: 934 Category: 4 DETAILS Tracking information

**Unisys Weather**[Weather Home](#)[Weather News](#)[Weather Solutions](#)[Information](#)[Contents](#)**Analyses**[Satellite Images](#)[Surface Data](#)[Upper Air Data](#)[Radar Data](#)**Forecasts**[Model Statistics](#)[NAM/Wrf Model](#)[GFS/Avn Model](#)[RAP Model](#)[ECMWF Model](#)**Archive**[Hurricane Data](#)[Archive of Images](#)[USGS Maps](#)**1860 Hurricane/Tropical Data for Atlantic****Individual Storm Summary**

Winds in knots, pressure in millibars, category is based on Saffir-Simpson scale.

#	Name	Date	Wind	Pres	Cat
1	Hurricane-3 1	8-16 AUG	110	0	3
2	Hurricane-2 2	24-26 AUG	90	0	2
3	Hurricane-2 4	11-16 SEP	90	0	2
4	Hurricane-1 3	11-11 SEP	70	0	1
5	Tropical Storm 5	18-21 SEP	60	0	-
6	Hurricane-2 6	30 SEP- 3 OCT	90	0	2
7	Hurricane-2 7	20-24 OCT	90	0	2

Saffir-Simpson Scale

The chart color codes intensity (category based on Saffir-Simpson scale)




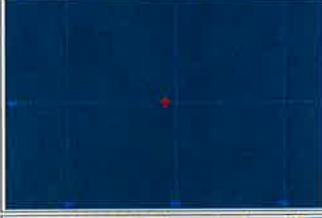



Type	Category	Pressure (mb)	Winds (knots)	Winds (mph)	Line Color
Depression	td	----	< 34	< 39	Green
Tropical Storm	TS	----	34-63	39-73	Yellow
Hurricane	1	> 980	64-82	74-95	Red
Hurricane	2	965-980	83-95	96-110	Light Red
Hurricane	3	945-965	96-112	111-130	Magenta
Hurricane	4	920-945	113-135	131-155	Light Magenta
Hurricane	5	< 920	>135	>155	White

NOTE: Pressures are in millibars and winds are in knots where one knot is equal to 1.15 mph

Individual Storm Details

- Hurricane-2 7 (20-24 OCT)
Storm - Max Winds 90 Min Pres: - Category: 2

Get a ForecastEnter a zip code or city
name to get forecast
 NOAA Links[National Climatic Data
Center](#)[Climate Prediction Center](#)[National Ocean Service](#)[NOAA Library](#)[NOAA Office of Oceanic
and Atmospheric
Research](#)[Earth Systems Research
Laboratory](#)**About Us**[Overview](#)[Contact Us](#)

	DETAILS Tracking information
	<ul style="list-style-type: none"> • Hurricane-2 6 (30 SEP-03 OCT) Storm - Max Winds: 90 Min Pres: - Category: 2 DETAILS Tracking information
	<ul style="list-style-type: none"> • Tropical Storm 5 (18-21 SEP) Storm - Max Winds: 60 Min Pres: - Category: TS DETAILS Tracking information
	<ul style="list-style-type: none"> • Hurricane-1 3 (11-11 SEP) Storm - Max Winds: 70 Min Pres: - Category: 1 DETAILS Tracking information
	<ul style="list-style-type: none"> • Hurricane-2 4 (11-16 SEP) Storm - Max Winds: 90 Min Pres: - Category: 2 DETAILS Tracking information
	<ul style="list-style-type: none"> • Hurricane-2 2 (24-26 AUG) Storm - Max Winds: 90 Min Pres: - Category: 2 DETAILS Tracking information
	<ul style="list-style-type: none"> • Hurricane-3 1 (08-16 AUG) Storm - Max Winds: 110 Min Pres: - Category: 3 DETAILS Tracking information

Historical Hurricane Tracks

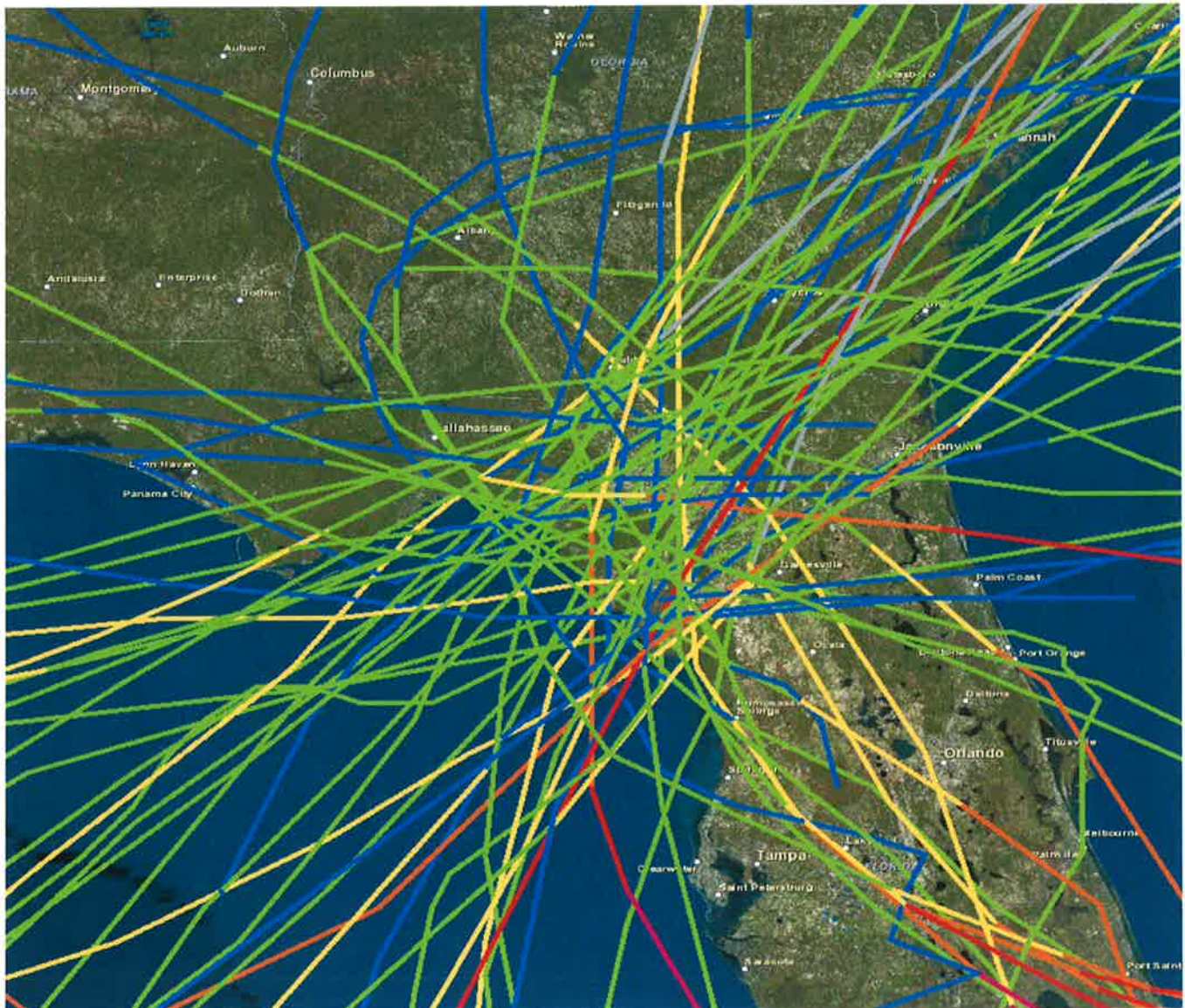
National Oceanic and Atmospheric Administration

Summary of Search

Location: 29.978728593469927,-83.09509277343751

Buffer: 92600 Meters (50 Nautical Miles)

Search was not refined



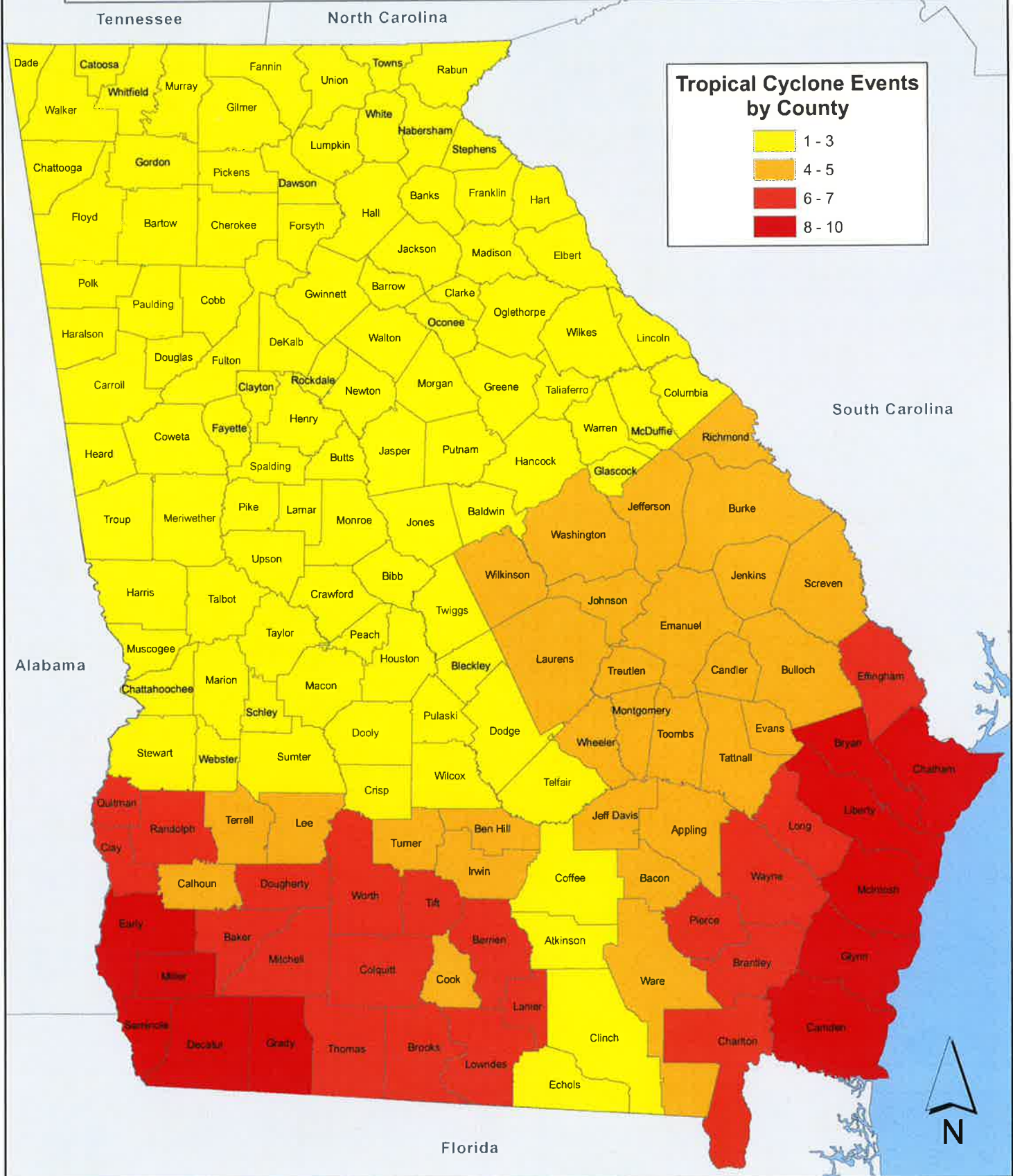
Storm Name	Date
UNNAMED 1867	Oct 02, 1867 to Oct 09, 1867
UNNAMED 1868	Oct 01, 1868 to Oct 07, 1868
UNNAMED 1871	Aug 14, 1871 to Aug 23, 1871
UNNAMED 1871	Aug 17, 1871 to Aug 30, 1871
UNNAMED 1871	Sep 05, 1871 to Sep 08, 1871
UNNAMED 1871	Sep 30, 1871 to Oct 07, 1871
UNNAMED 1873	Sep 18, 1873 to Sep 20, 1873
UNNAMED 1874	Sep 25, 1874 to Oct 01, 1874
UNNAMED 1877	Oct 24, 1877 to Oct 28, 1877
UNNAMED 1880	Sep 06, 1880 to Sep 11, 1880
UNNAMED 1882	Oct 05, 1882 to Oct 15, 1882
UNNAMED 1885	Sep 17, 1885 to Sep 23, 1885
UNNAMED 1885	Sep 24, 1885 to Oct 02, 1885
UNNAMED 1885	Oct 10, 1885 to Oct 14, 1885
UNNAMED 1888	Sep 06, 1888 to Sep 13, 1888
UNNAMED 1888	Oct 08, 1888 to Oct 12, 1888
UNNAMED 1893	Jun 12, 1893 to Jun 20, 1893
UNNAMED 1896	Sep 22, 1896 to Sep 30, 1896
UNNAMED 1900	Oct 10, 1900 to Oct 15, 1900
UNNAMED 1902	Jun 12, 1902 to Jun 17, 1902
UNNAMED 1909	Jun 26, 1909 to Jul 04, 1909
UNNAMED 1924	Sep 13, 1924 to Sep 19, 1924
UNNAMED 1924	Sep 27, 1924 to Oct 01, 1924
UNNAMED 1926	Jul 22, 1926 to Aug 02, 1926
UNNAMED 1932	Sep 09, 1932 to Sep 18, 1932
UNNAMED 1933	Aug 31, 1933 to Sep 07, 1933
UNNAMED 1935	Aug 29, 1935 to Sep 10, 1935
UNNAMED 1936	Aug 20, 1936 to Aug 23, 1936
UNNAMED 1937	Aug 24, 1937 to Sep 02, 1937
UNNAMED 1937	Sep 16, 1937 to Sep 21, 1937
UNNAMED 1941	Oct 15, 1941 to Oct 22, 1941
UNNAMED 1947	Sep 20, 1947 to Sep 26, 1947
UNNAMED 1947	Oct 05, 1947 to Oct 09, 1947
UNNAMED 1949	Aug 23, 1949 to Sep 01, 1949
KING 1950	Oct 13, 1950 to Oct 20, 1950
LOVE 1950	Oct 18, 1950 to Oct 22, 1950
UNNAMED 1953	Sep 14, 1953 to Sep 21, 1953
BRENDA 1960	Jul 28, 1960 to Aug 01, 1960
UNNAMED 1964	Jun 02, 1964 to Jun 11, 1964
DORA 1964	Aug 28, 1964 to Sep 16, 1964
ALMA 1970	May 17, 1970 to May 27, 1970
UNNAMED 1971	Aug 12, 1971 to Aug 16, 1971
ALPHA 1972	May 23, 1972 to May 29, 1972
UNNAMED 1973	Sep 24, 1973 to Sep 26, 1973
UNNAMED 1976	May 21, 1976 to May 25, 1976
UNNAMED 1980	Jul 17, 1980 to Jul 21, 1980
MARCO 1990	Oct 09, 1990 to Oct 13, 1990
JERRY 1995	Aug 22, 1995 to Aug 28, 1995
JOSEPHINE 1996	Oct 04, 1996 to Oct 16, 1996
GEORGES 1998	Sep 15, 1998 to Oct 01, 1998

Storm Name	Date
GORDON 2000	Sep 14, 2000 to Sep 21, 2000
BONNIE 2004	Aug 03, 2004 to Aug 14, 2004
FRANCES 2004	Aug 25, 2004 to Sep 10, 2004
JEANNE 2004	Sep 13, 2004 to Sep 29, 2004
ALBERTO 2006	Jun 10, 2006 to Jun 19, 2006
FAY 2008	Aug 15, 2008 to Aug 28, 2008
INVEST 2011	Oct 08, 2011 to Oct 10, 2011
BERYL 2012	May 25, 2012 to Jun 02, 2012
DEBBY 2012	Jun 23, 2012 to Jun 27, 2012
ANDREA 2013	Jun 05, 2013 to Jun 08, 2013





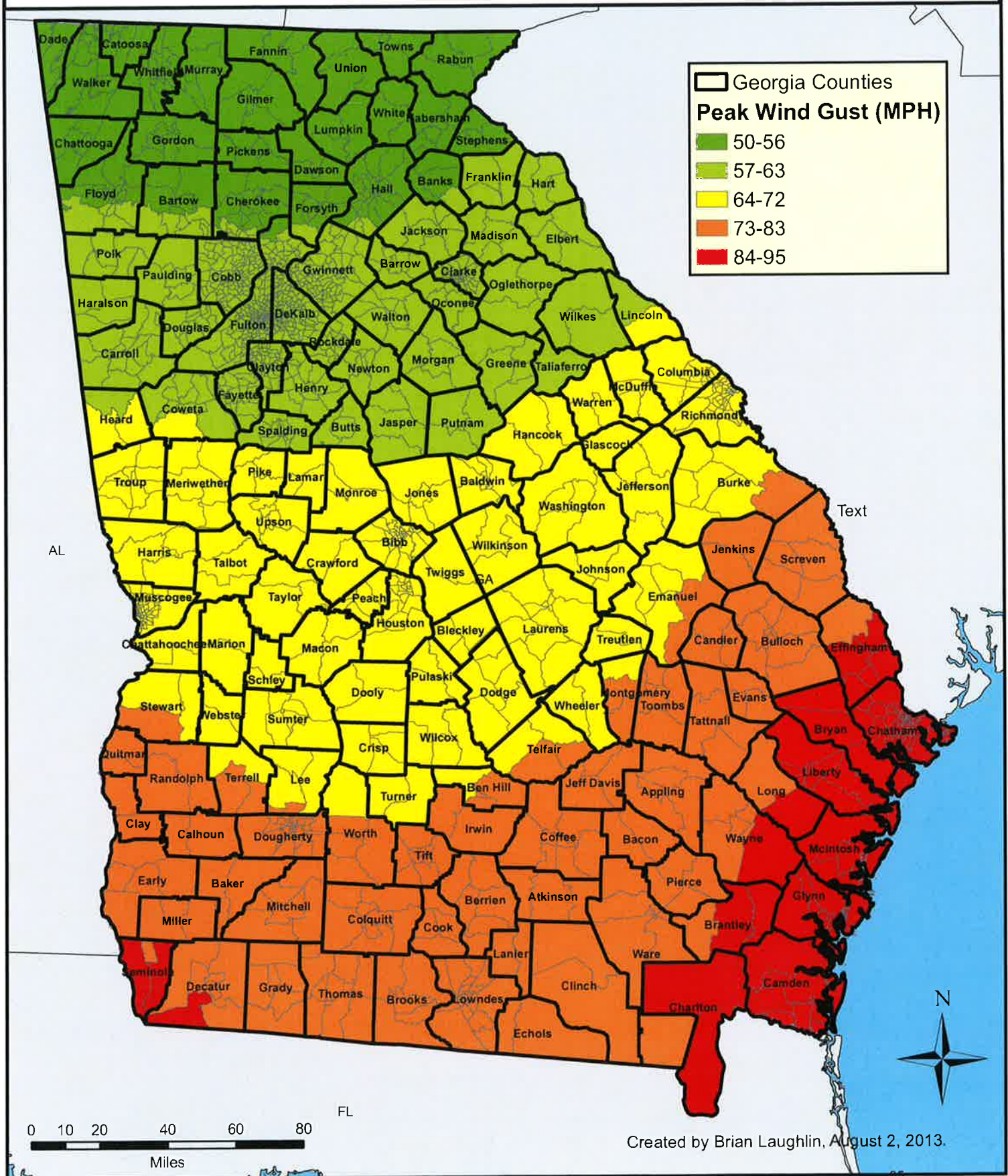
Tropical Cyclone Events 1960-2012 SHELDUS Data





Georgia Hurricane Wind Extent

50 year Return Event

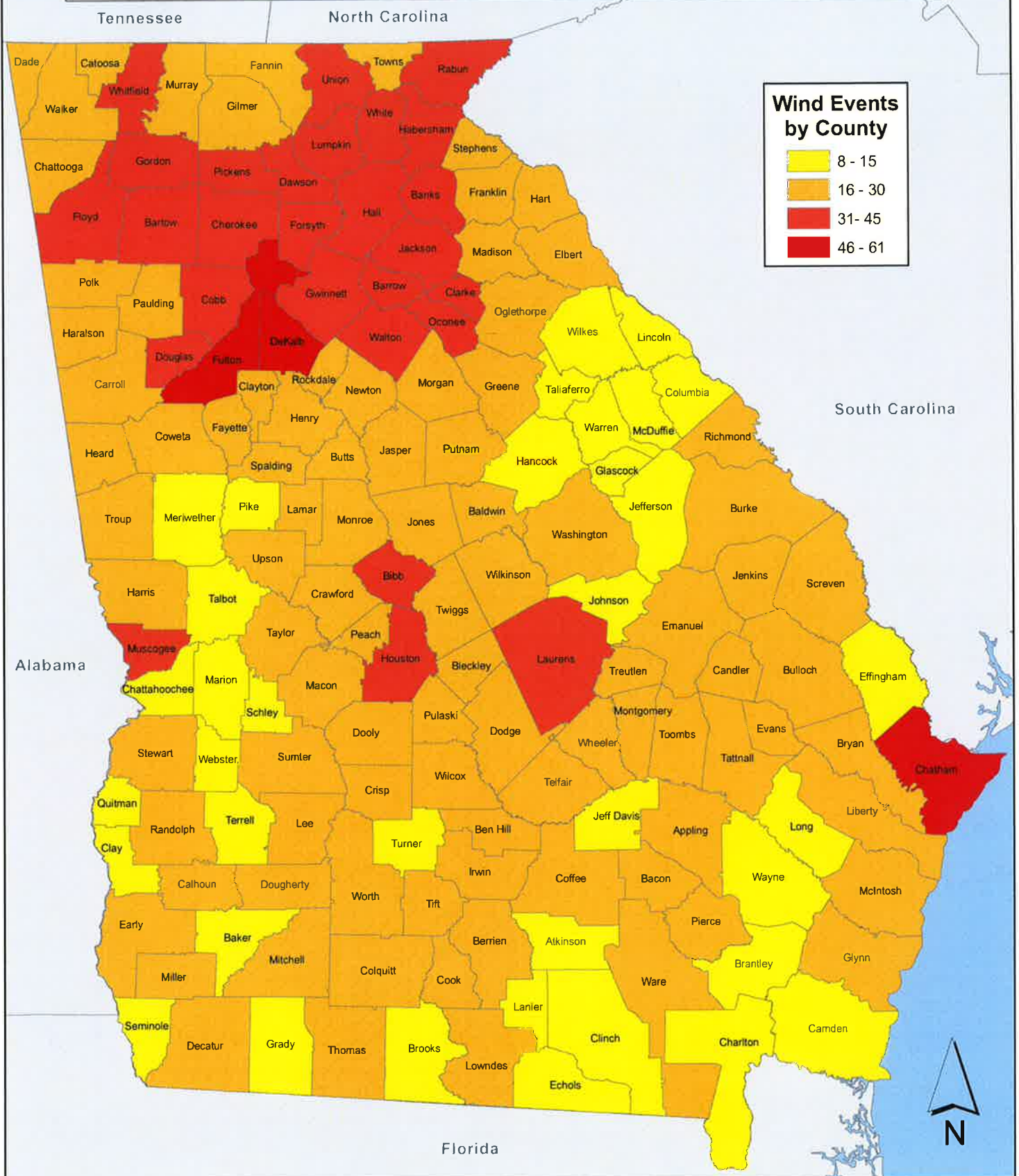




Wind Events

1960-2012

SHELDUS Data

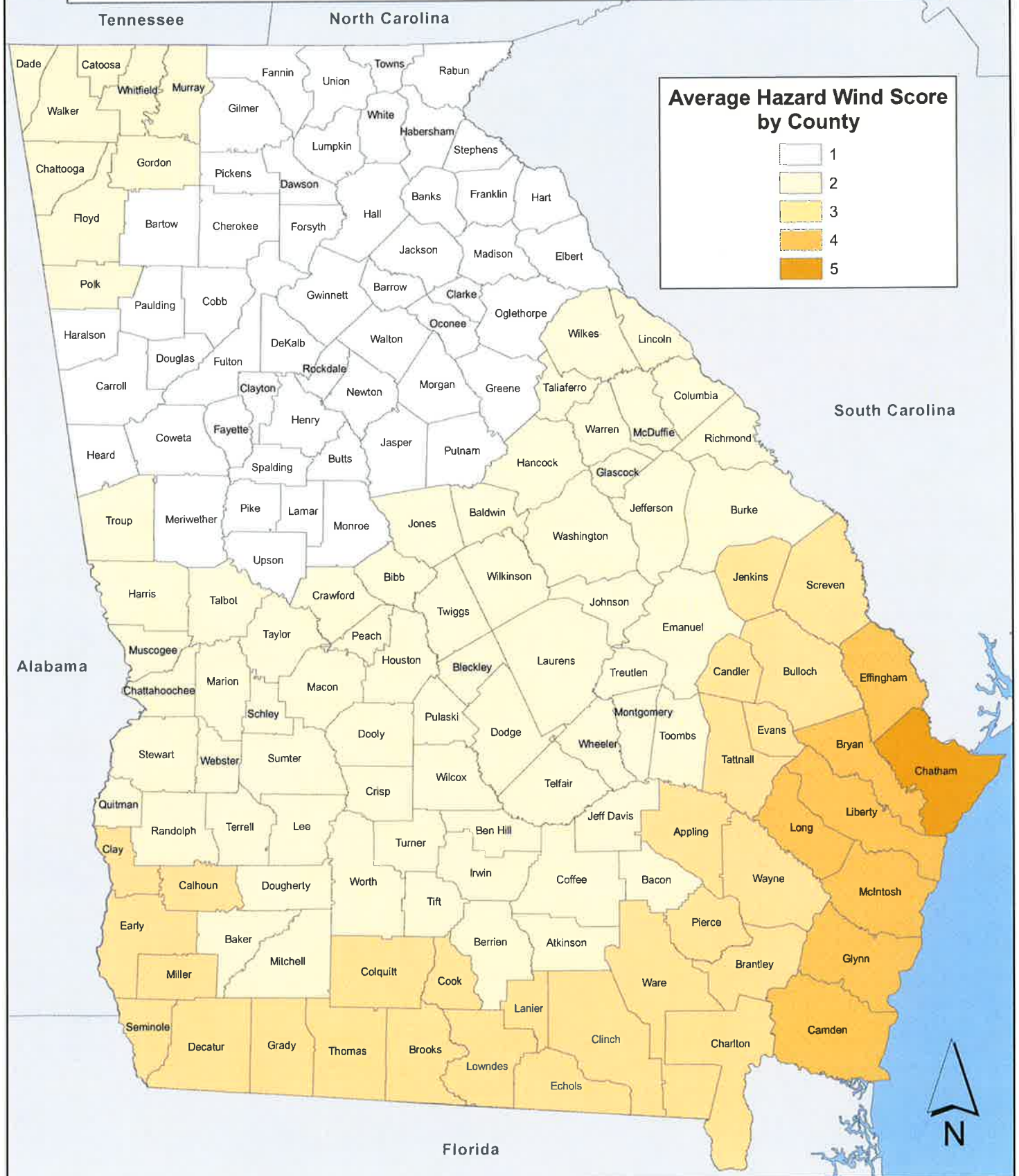


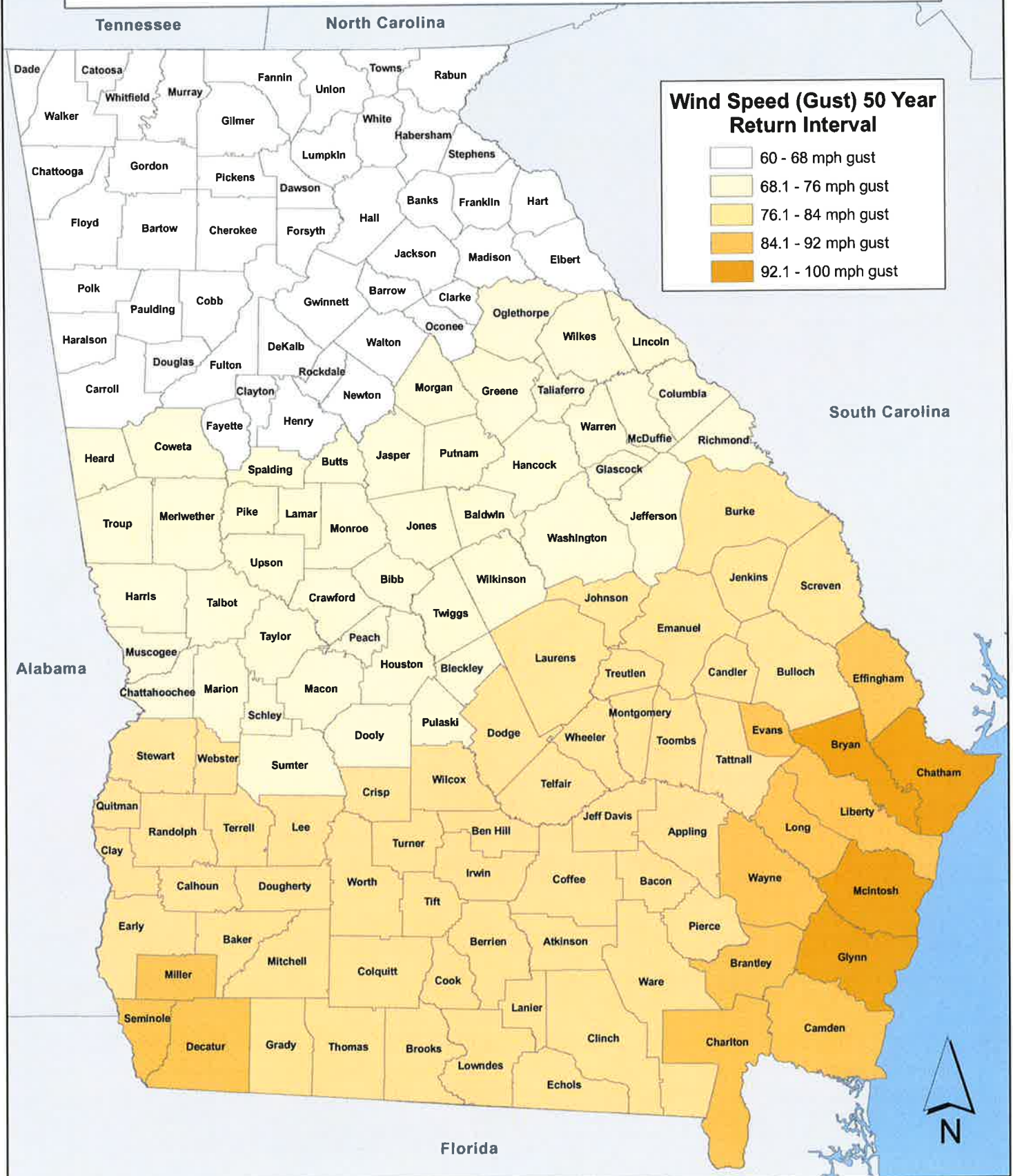
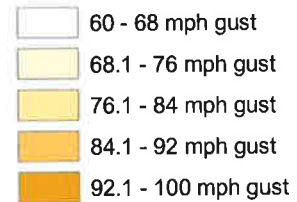


Average Hazard Wind Score

ASCE Data

Average Hazard Wind Score by County



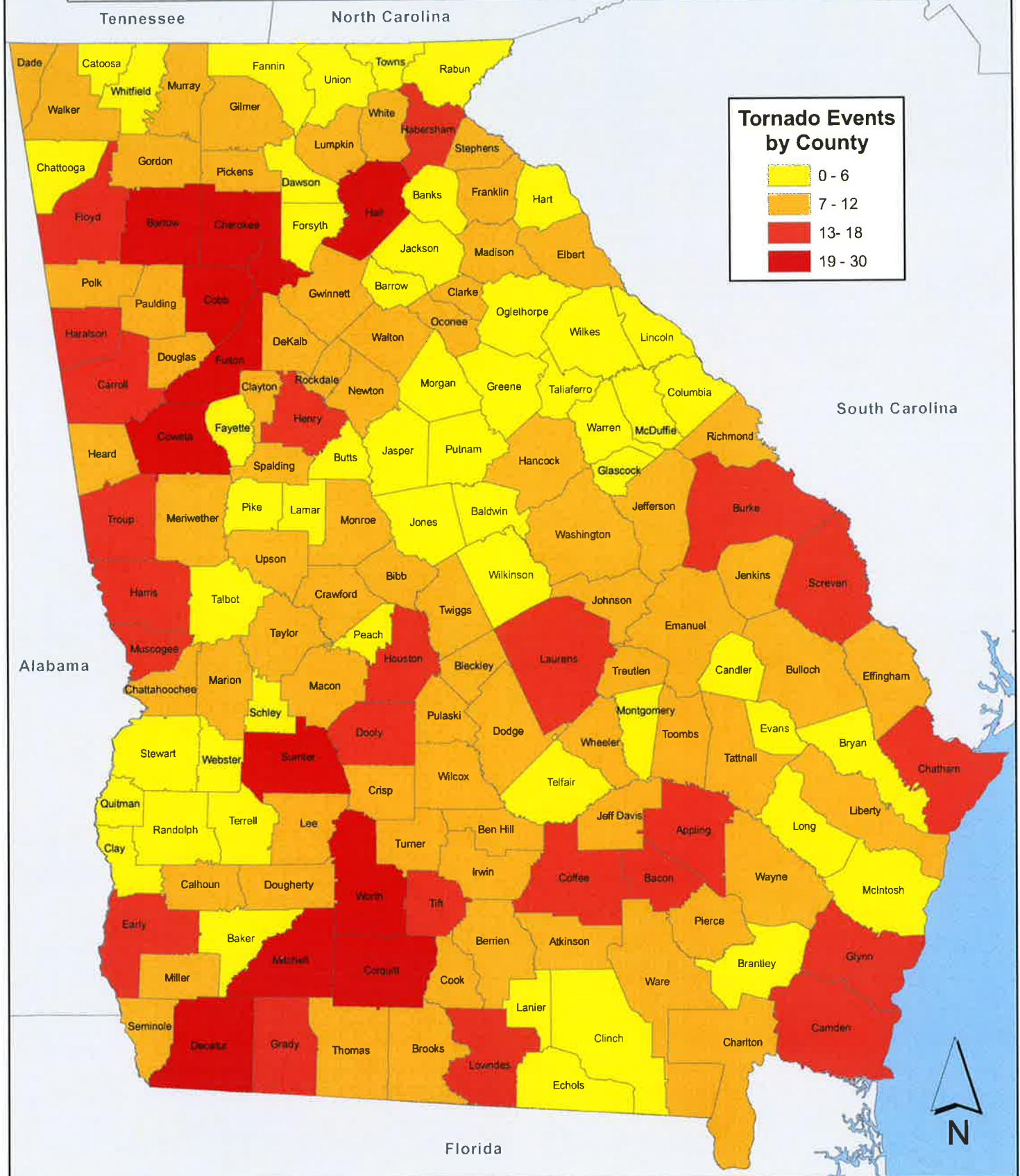
**Wind Speed (Gust) 50 Year
Return Interval**



Tornado Events

1952-2012

SHELDUS Data





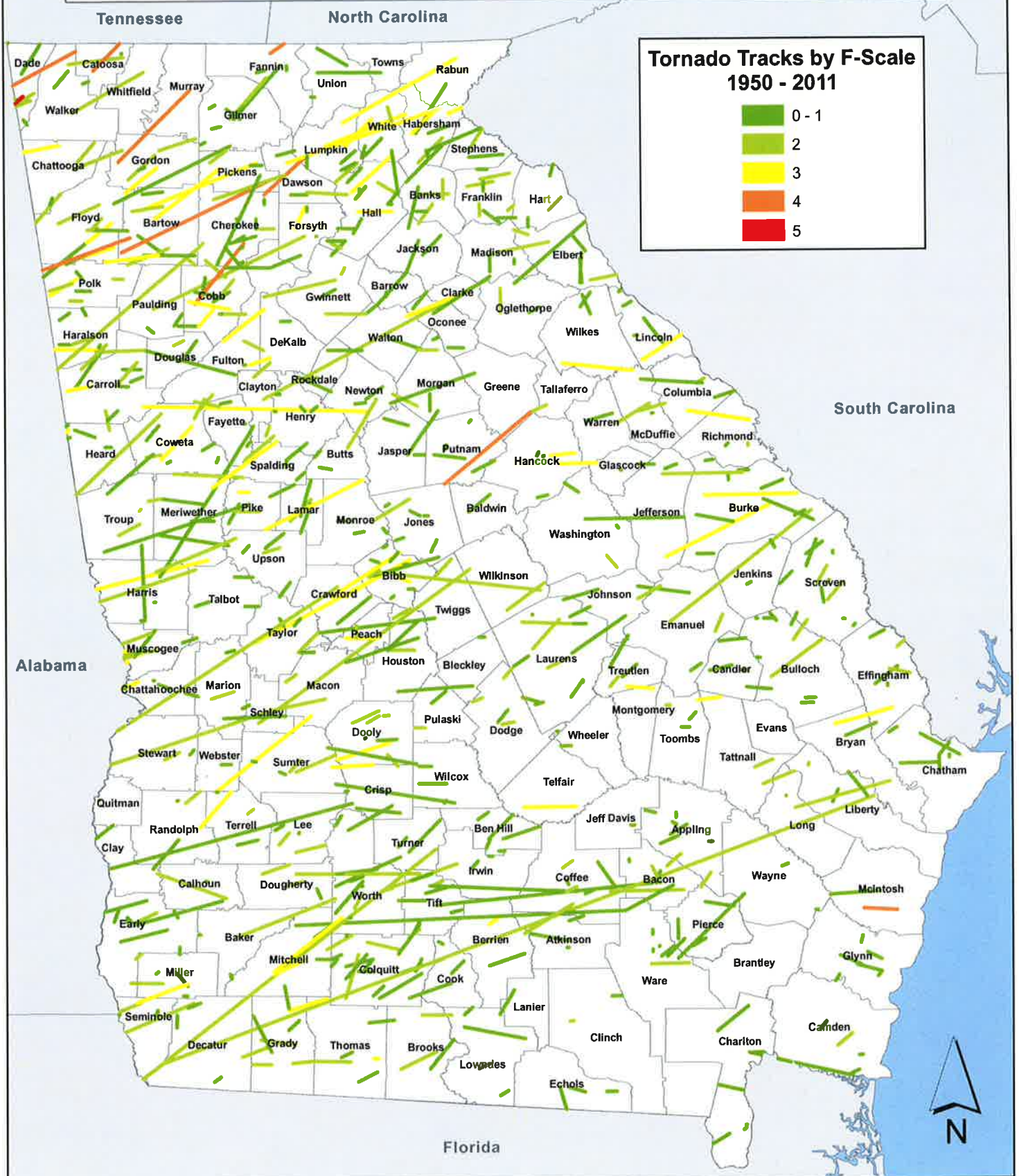
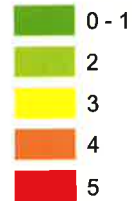
Tornado Tracks

SVRGIS

1950 - 2011

Tornado Tracks by F-Scale

1950 - 2011



III. Lightning

- A. Lightning Hazard Description –Lightning is the discharge of electricity from cloud to ground and is most commonly associated with thunderstorms. The discharge is usually vertical from the cloud to ground, but can occur at angles from the storm, extending a good distance from the storm. Lightning is often referred to as one of nature's number one killers due to the fact that it results in an average of nearly 60 deaths nationwide each year.
- B. Data – Events, Worksheet 3A, GEMA Critical Facility Inventory Report, Maps

National Climatic Data Center

[Home](#) [Contact Us](#) [About NCDC](#) [Help](#)

NCDC > Storm Events Database (Select State) > (Select Date/County/Event)

Storm Events Database

Data Access

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

Documentation

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

External Resources

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

Storm Events Database

Search Results for Lowndes County, Georgia

7 events were reported between 01/01/1950 and 12/31/2014 (23741 days)

Summary Info:

Number of County/Zone areas affected:	1
Number of Days with Event:	7
Number of Days with Event and Death:	2
Number of Days with Event and Death or Injury:	3
Number of Days with Event and Property Damage:	4
Number of Days with Event and Crop Damage:	0
Number of Event Types reported:	1

Column Definitions:

'Mag': Magnitude, 'Dth': Deaths, 'Inj': Injuries, 'PrD': 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: ▼

Data Export: (current results)



Location	County/Zone	St.	Date	Time	T.Z.	Type	Mag	Dth	Inj	PrD	CrD
Totals:								2	1	145.00K	0.00K
NAYLOR	LOWNDES CO.	GA	07/14/2000	19:30	EST	Lightning		0	0	100.00K	0.00K
VALDOSTA	LOWNDES CO.	GA	03/12/2001	21:00	EST	Lightning		0	0	5.00K	0.00K
VALDOSTA	LOWNDES CO.	GA	07/21/2002	16:05	EST	Lightning		0	0	10.00K	0.00K
KINDERLOU	LOWNDES CO.	GA	08/31/2003	17:58	EST	Lightning		1	0	0.00K	0.00K
VALDOSTA	LOWNDES CO.	GA	08/08/2006	16:10	EST	Lightning		0	1	0.00K	0.00K
VALDOSTA	LOWNDES CO.	GA	08/07/2012	13:20	EST-5	Lightning		0	0	30.00K	0.00K
LOWNDES CO.	LOWNDES CO.	GA	09/07/2014	14:30	EST-5	Lightning		1	0	0.00K	0.00K
Totals:								2	1	145.00K	0.00K

[Privacy Policy](#) | [FOIA](#) | [Information Quality](#) | [Disclaimer](#) | [Contact Us](#)

GEMA Worksheet #3a**Inventory of Assets****Jurisdiction: Lowndes****Hazard: Lightning**

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

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	31,847	31,847	100.000%	2,755,703,596	2,755,703,596	100.000%	112,515	112,515	100%
Commercial	3,742	3,742	100.000%	1,184,803,804	1,184,803,804	100.000%	0	0	0%
Industrial	364	364	100.000%	226,661,336	226,661,336	100.000%	0	0	0%
Agricultural	1,237	1,237	100.000%	119,283,276	119,283,276	100.000%	0	0	0%
Religious/ Non-profit	401	401	100.000%	155,502,640	155,502,640	100.000%	0	0	0%
Government	338	338	100.000%	239,948,753	239,948,753	100.000%	0	0	0%
Education	83	83	100.000%	112,974,247	112,974,247	100.000%	0	0	0%
Utilities	111	111	100.000%	15,186,185	15,186,185	100.000%	0	0	0%
Total	38,123	38,123	100.000%	4,810,063,837	4,810,063,837	100.000%	112,515	112,515	100%

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

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

Facility Lightning Hazard All Hazard Scores

Jurisdiction	Name	Hazard Score	Value	Replacement Value Year	Building size	Functional Use value	Facility type	Risk
Valdosta city	84 Lift Station	0	135000	2014	1000	0	Government, Government Offices	Essential, Important, Economic Assets
Valdosta city	Traffic Management Center	0	702000	2014	5200	0	Government, Government Offices	Essential, Important, Economic Assets
Valdosta city	Sands Horizon	0	500000	2014	23360	0	Education, Medical Offices	Important, Vulnerable Population, Economic Assets
Valdosta city	Briggs St Elevated Storage Tank	0	135000	2014	1000	0	Government, Government Offices	Essential, Important, Economic Assets
Valdosta city	Pipeyard Elevated Storage Tank	0	135000	2014	1000	0	Government, Government Offices	Essential, Important, Economic Assets
Valdosta city	Food Bank Lift Station	0	135000	2014	1000	0	Government, Government Offices	Essential, Important, Economic Assets
Valdosta city	Airport Lift Station #1	0	135000	2014	1000	0	Government, Government Offices	Essential, Important, Economic Assets
Valdosta city	Airport Lift Station #2	0	135000	2014	1000	0	Government, Government Offices	Essential, Important, Economic Assets
Valdosta city	Martin's Pastry Lift Station	0	135000	2014	1000	0	Government, Government Offices	Essential, Important, Economic Assets
Valdosta city	Dillard's Lift Station	0	135000	2014	1000	0	Government, Government Offices	Essential, Important, Economic Assets
Dasher town	Dasher City Hall	0	253800	2014	1880	0	Government, Government Offices	Essential, Important, Economic Assets
Valdosta city	Lowndes County Judicial and Administrative Complex	0	21600000	2014	160000	0	Government, Government Offices	Essential, Important, Economic Assets
Valdosta city	South GA Regional Commission	0	1927800	2014	14280	0	Government, Government Offices	Essential, Important, Economic Assets
Valdosta city	Valdosta Fire Dept Maintenance Facility	0	250000	2014	9120	0	Government, Fire Fighters	Essential, Important, Economic Assets
Valdosta city	Valdosta Fire Department Training Facility	0	283500	2014	2100	0	Government, Fire Fighters	Essential, Important, Economic Assets
Valdosta city	Highland Christian School	0	4889970	2014	36222	0	Education, K - 12	Important, Vulnerable Population, Economic Assets
Valdosta city	Lowndes County 911 Center	0	675000	2014	5000	0	Emergency Services, EMA	Essential, Important, Economic Assets
Valdosta city	Valdosta Utilities Office	0	1528200	2014	11320	0	Government, Government Offices	Essential, Important, Economic Assets

Facility Lightning Hazard All Hazard Scores

Jurisdiction	Name	Hazard Score	Value	Replacement Value Year	Building size	Functional Use value	Facility type	Risk
Valdosta city	Valdosta Utilities Warehouse	0	1957500	2014	14500	0	Government, Government Offices	Essential, Important, Economic Assets
Valdosta city	Rogers St Lift Station	0	135000	2014	1000	0	Government, Government Offices	Essential, Important, Economic Assets
Valdosta city	Ponderosa Lift Station	0	135000	2014	1000	0	Government, Government Offices	Essential, Important, Economic Assets
Valdosta city	Valdosta Customer Service Center	0	847125	2014	6275	0	Government, Government Offices	Essential, Important, Economic Assets
Valdosta city	Valdosta Maintenance/Fuel Facility	0	2207250	2014	16350	0	Government, Government Offices	Essential, Important, Economic Assets
Valdosta city	94 Lift Station	0	135000	2014	1000	0	Government, Government Offices	Essential, Important, Economic Assets
Lowndes County	Lowndes Middle School	0	1649295	2014	12217	0	Education, K - 12	Important, Vulnerable Population, Economic Assets
Valdosta city	Lowndes County EOC	0	1713420	2014	12692	0	Emergency Services, EMA	Essential, Important, Economic Assets
Valdosta city	Lowndes High School	0	44476965	2014	329459	0	Education, K - 12	Important, Vulnerable Population, Economic Assets
Valdosta city	Valdosta Regional Airport	0	1186785	2014	8791	0	Government, Transportation	Essential, Important, Economic Assets
Valdosta city	Valdosta Fire Department HQ	0	1485000	2014	11000	0	Emergency Services, Fire Fighters	Essential, Important, Economic Assets
Valdosta city	Valdosta Fire Department Station 6	0	816750	2014	6050	0	Emergency Services, Fire Fighters	Essential, Important, Economic Assets
Lowndes County	Lowndes County Fire Rescue - Clyattville Station 1	0	643140	2014	4764	0	Emergency Services, Fire Fighters	Essential, Important, Economic Assets
Lowndes County	Lowndes County Fire Rescue - Clyattville Station 2	0	270000	2014	2000	0	Emergency Services, Fire Fighters	Essential, Important, Economic Assets
Lowndes County	Lowndes County Fire Rescue - Eastside Station 2	0	270000	2014	2000	0	Emergency Services, Fire Fighters	Essential, Important, Economic Assets
Lowndes County	Lowndes County Fire Rescue - Westside Station 2	0	270000	2014	2000	0	Emergency Services, Fire Fighters	Essential, Important, Economic Assets
Lowndes County	Lowndes County Public Works	0	2025000	2014	15000	0	Government, Government Offices	Essential, Important, Economic Assets

Facility Lightning Hazard All Hazard Scores

Jurisdiction	Name	Hazard Score	Value	Replacement Value Year	Building size	Functional Use value	Facility type	Risk
Lowndes County	Westside Elementary School	0	17765595	2014	131597		0 Education, K - 12	Important, Vulnerable Population, Economic Assets
Valdosta city	JL Lomax Elementary School	0	16875000	2014	125000		0 Education, K - 12	Important, Vulnerable Population, Economic Assets
Remerton city	Remerton City Hall, Fire, and Police Departments	0	407700	2014	3020		0 Government, Government Offices	Essential, Important, Economic Assets
Lowndes County	Mud Creek Wastewater Treatment Plant	0	54000	2014	400		0 Government, Water/Sewer	Essential, Important, Economic Assets
Lowndes County	Withlahoochee Wastewater Treatment Plant	0	1418850	2014	10510		0 Government, Water/Sewer	Essential, Important, Economic Assets
Lowndes County	Lowndes County Utilities Sprayfield	0	54000	2014	400		0 Government, Government Offices	Essential, Important, Economic Assets
Remerton city	Remerton Water Plant	0	57780	2014	428		0 Government, Water/Sewer	Essential, Important, Economic Assets
Dasher town	Georgia Christian School	0	1888920	2014	13992		0 Education, K - 12	Important, Vulnerable Population, Economic Assets
Lowndes County	Lowndes State Prison	0	4159120	2014	16976		0 Government, Penitentiary	Essential, Important, Economic Assets
Lowndes County	Valdosta State Prison	0	9282805	2014	37889		0 Government, Penitentiary	Essential, Important, Economic Assets
Lowndes County	Veolia Pecan Row - Evergren Landfill	0	150000	2014	5799		0 Government, Landfill	Essential, Important, Economic Assets
Valdosta city	Valdosta Public Works	0	1086750	2014	8050		0 Government, Government Offices	Essential, Important, Economic Assets
Valdosta city	Valdosta Police Department	0	2819340	2014	20884		0 Police	Essential, Important, Economic Assets
Lowndes County	Lowndes County Fire Rescue - Eastside Station 1	0	405000	2014	3000		0 Emergency Services, Fire Fighters	Essential, Important, Economic Assets
Lowndes County	Lowndes County Fire Rescue - Southside Station	0	265545	2014	1967		0 Emergency Services, Fire Fighters	Essential, Important, Economic Assets
Lowndes County	Lowndes County Fire Rescue - Westside Station 1	0	270000	2014	2000		0 Emergency Services, Fire Fighters	Essential, Important, Economic Assets

Facility Lightning Hazard All Hazard Scores

Jurisdiction	Name	Hazard Score	Value	Replacement Value Year	Building size	Functional Use value	Facility type	Risk
Valdosta city	Valdosta Fire Department Airport Station	0	3250000	2014	3155	0	Emergency Services, Fire Fighters	Essential, Important, Economic Assets
Remerton city	Remerton Fire Department	0	153090	2014	1134	0	Emergency Services, Fire Fighters	Essential, Important, Economic Assets
Valdosta city	Valdosta Municipal Court Building	0	912600	2014	6760	0	Government, Court House	Essential, Important, Economic Assets
Valdosta city	Valdosta Fire Department Station 3	0	213840	2014	1584	0	Emergency Services, Fire Fighters	Essential, Important, Economic Assets
Valdosta city	Valdosta Fire Department Station 4	0	492750	2014	3650	0	Emergency Services, Fire Fighters	Essential, Important, Economic Assets
Valdosta city	Lowndes County Jail and Sheriff's Office	0	34324255	2014	140099	0	Emergency Services, Sheriff	Essential, Important, Economic Assets
Lowndes County	Lowndes County Fire Rescue - Bemiss Station 2	0	229500	2014	1700	0	Emergency Services, Fire Fighters	Essential, Important, Economic Assets
Lowndes County	Lowndes County Fire Rescue - N Lowndes Station 1	0	378000	2014	2800	0	Emergency Services, Fire Fighters	Essential, Important, Economic Assets
Valdosta city	Valdosta High School	0	6881085	2014	50971	0	Education, K - 12	Important, Vulnerable Population, Economic Assets
Valdosta city	Valdosta-Lowndes County Public Library	0	2553795	2014	18917	0	Government, Library	Essential, Important, Economic Assets
Valdosta city	St. John's Catholic School	0	3314250	2014	24550	0	Education, K - 12	Important, Vulnerable Population, Economic Assets
Lowndes County	Foxborough Lift Station	0	135000	2014	1000	0	Government, Government Offices	Essential, Important, Economic Assets
Valdosta city	Valdosta Fire Department Station 2	0	937575	2014	6945	0	Emergency Services, Fire Fighters	Essential, Important, Economic Assets
Valdosta city	South Georgia Medical Center	0	39943575	2014	177527	0	Emergency Services, Hospital	Essential, Hazardous Materials, Important, Economic Assets
Valdosta city	Greenleaf Center, Inc.-South Georgia	0	8440875	2014	37515	0	Emergency Services, Medical Offices	Essential, Hazardous Materials, Important, Economic Assets
Lowndes County	Wiregrass Technical College	0	1931850	2014	14310	0	Education, VoTech	Important, Vulnerable Population, Economic Assets

Facility Lightning Hazard All Hazard Scores

Jurisdiction	Name	Hazard Score	Value	Replacement Value Year	Building size	Functional Use	Facility type	Risk
Valdosta city	Faith Christian Academy	0	1174905	2014	8703		0 Education, K - 12	Important, Vulnerable Population, Economic Assets
Lowndes County	Lighthouse Christian	0	663390	2014	4914		0 Education, K - 12	Important, Vulnerable Population, Economic Assets
Lowndes County	Open Bible Christian School	0	3666465	2014	27159		0 Education, K - 12	Important, Vulnerable Population, Economic Assets
Valdosta city	United Cerebral Palsy SWEETWATER	0	250000	2014	1000		0 Medical, Non-Profit	Essential, Important, Economic Assets
Valdosta city	Lakeland Hwy Lift Station	0	135000	2014	1000		0 Government, Government Offices	Essential, Important, Economic Assets
Valdosta city	Hyde Park Lift Station	0	135000	2014	1000		0 Government, Government Offices	Essential, Important, Economic Assets
Valdosta city	Mack Dr Lift Station	0	135000	2014	1000		0 Government, Government Offices	Essential, Important, Economic Assets
Valdosta city	South Forty Lift Station	0	135000	2014	1000		0 Government, Government Offices	Essential, Important, Economic Assets
Valdosta city	Valdosta Inert Landfill	0	150000	2014	1000		0 Government, Landfill	Essential, Important, Economic Assets
Valdosta city	Valdosta PD Firing Range	0	270000	2014	2000		0 Emergency Services, Police	Essential, Important, Economic Assets
Valdosta city	Valdosta Regional Crime Lab	0	1725300	2014	12780		0 Emergency Services, Police	Essential, Important, Economic Assets
Valdosta city	Gornto Rd Elevated Storage Tank	0	135000	2014	1000		0 Government, Water/Sewer	Essential, Important, Economic Assets
Lowndes County	Smith Northview Hospital	0	15433200	2014	68592		0 Medical, Hospital	Essential, Hazardous Materials, Important, Economic Assets
Valdosta city	Mathis City Auditorium	0	250000	2014	22676		0 Government, Government Offices	Essential, Important, Economic Assets
Valdosta city	Park Avenue United Methodist Church	0	250000	2014	76322		0 NGO, Non-Profit	Important, Economic Assets
Valdosta city	Heritage House Nursing Home	0	250000	2014	32000		0 Medical, Medical Offices	Essential, Important, Economic Assets
Valdosta city	Holly Hill Nursing Home	0	250000	2014	24229		0 Medical, Medical Offices	Essential, Important, Economic Assets
Valdosta city	Crestwood Nursing Home	0	250000	2014	27622		0 Medical, Medical Offices	Essential, Important, Economic Assets

Facility Lightning Hazard All Hazard Scores

Jurisdiction	Name	Hazard Score	Value	Replacement Value Year	Building size value	Functional Use	Facility type	Risk
Valdosta city	Lakehaven Nursing Home	0	250000	2014	22465	0	Medical, Medical Offices	Essential, Important, Economic Assets
Valdosta city	Lowndes County EMS - Station 1	0	303615	2014	2249	0	Emergency Services, EMS	Essential, Important, Economic Assets
Lowndes County	Lowndes County Fire Rescue HQ	0	1140480	2014	8448	0	Emergency Services, Fire Fighters	Essential, Important, Economic Assets
Valdosta city	Valdosta City Hall	0	1659960	2014	12296	0	Government, City Hall	Essential, Important, Economic Assets
Lowndes County	Lowndes County Board of Commissioners	0	82350	2014	610	0	Government, Government Offices	Essential, Important, Economic Assets
Lowndes County	VALDOSTA-WETHERINGTON LANE (SL)	0	511650	2014	3790	0	Government, Government Offices	Essential, Important, Economic Assets
Valdosta city	Valdosta Fire Department Station 5	0	473850	2014	3510	0	Emergency Services, Fire Fighters	Essential, Important, Economic Assets
Valdosta city	Valdosta Water Treatment Plant	0	330075	2014	2445	0	Government, Water/Sewer	Essential, Important, Economic Assets
Lowndes County	Lowndes County Fire Rescue - Bemiss Station 3	0	270000	2014	2000	0	Emergency Services, Fire Fighters	Essential, Important, Economic Assets
Lowndes County	Lowndes County Fire Rescue - Bemiss Station 1	0	472500	2014	3500	0	Emergency Services, Fire Fighters	Essential, Important, Economic Assets
Valdosta city	Dewar Elementary School	0	11322855	2014	83873	0	Education, K - 12	Important, Vulnerable Population, Economic Assets
Lowndes County	Pine Grove Middle School	0	19782765	2014	146539	0	Education, K - 12	Important, Vulnerable Population, Economic Assets
Lowndes County	Pine Grove Elementary School	0	12856050	2014	95230	0	Education, K - 12	Important, Vulnerable Population, Economic Assets
Valdosta city	High School Elevated Storage Tank	0	135000	2014	1000	0	Education, Water/Sewer	Important, Vulnerable Population, Economic Assets
Valdosta city	Little Country Club Lift Station	0	135000	2014	1000	0	Government, Government Offices	Essential, Important, Economic Assets
Valdosta city	Big Country Club Lift Station	0	135000	2014	1000	0	Government, Government Offices	Essential, Important, Economic Assets
Valdosta city	Cherry Creek Lift Station #1	0	135000	2014	1000	0	Government, Government Offices	Essential, Important, Economic Assets

Facility Lightning Hazard All Hazard Scores

Jurisdiction	Name	Hazard Score	Value	Replacement Value Year	Building size	Functional Use	Facility type	Risk
Valdosta city	Cherry Creek Lift Station #2	0	135000	2014	1000	0	Government, Government Offices	Essential, Important, Economic Assets
Valdosta city	Cherry Creek Lift Station #3	0	135000	2014	1000	0	Government, Government Offices	Essential, Important, Economic Assets
Valdosta city	Boys Club Lift Station	0	135000	2014	1000	0	Government, Government Offices	Essential, Important, Economic Assets
Valdosta city	Eastwind Lift Station	0	135000	2014	1000	0	Government, Government Offices	Essential, Important, Economic Assets
Lowndes County	Georgia Military College	0	6507000	2014	48200	0	Education, Jr Colleges	Important, Vulnerable Population, Economic Assets
Valdosta city	Knight's Mill Lift Station	0	135000	2014	1000	0	Government, Government Offices	Essential, Important, Economic Assets
Valdosta city	Goodyear Lift Station	0	135000	2014	1000	0	Government, Government Offices	Essential, Important, Economic Assets
Lowndes County	Valwood School	0	2025000	2014	15000	0	Education, K - 12	Important, Vulnerable Population, Economic Assets
Lowndes County	Lowndes County Fire Rescue - N Lowndes Station 2	0	270000	2014	2000	0	Emergency Services, Fire Fighters	Essential, Important, Economic Assets
Hahira city	Hahira Fire Department	0	675000	2014	5000	0	Emergency Services, Fire Fighters	Essential, Important, Economic Assets
Hahira city	City of Hahira	0	234360	2014	1736	0	Government, City Hall	Essential, Important, Economic Assets
Hahira city	Hahira Police Department, City Hall, and City Jail	0	323190	2014	2394	0	Emergency Services, City Hall	Essential, Important, Economic Assets
Lowndes County	Lowndes County Fire Rescue - Shiloh Station 1	0	194400	2014	1440	0	Emergency Services, Fire Fighters	Essential, Important, Economic Assets
Lowndes County	Lowndes County Fire Rescue - Shiloh Station 2	0	133650	2014	990	0	Emergency Services, Fire Fighters	Essential, Important, Economic Assets
Lake City city	Lake Park Elementary School	0	1044630	2014	7738	0	Education, K - 12	Important, Vulnerable Population, Economic Assets
Lake City city	Lake Park Police Department	0	110565	2014	819	0	Emergency Services, Police	Essential, Important, Economic Assets

Facility Lightning Hazard All Hazard Scores

Jurisdiction	Name	Hazard Score	Value	Replacement Value Year	Building size	Functional Use	Facility type	Risk
Lowndes County	Lowndes County Fire Rescue - Twin Lakes Station 1	0	491400	2014	3640	0	Emergency Services, Fire Fighters	Essential, Important, Economic Assets
Lake City city	Lake Park Fire Department	0	172800	2014	1280	0	Emergency Services, Fire Fighters	Essential, Important, Economic Assets
Lake City city	Lake Park City Hall	0	283500	2014	2100	0	Government, City Hall	Essential, Important, Economic Assets
Lowndes County	Lowndes County-Twin Lakes WPCP	0	71550	2014	530	0	Government, Government Offices	Essential, Important, Economic Assets
Lake City city	City of Lake Park	0	251235	2014	1861	0	Government, City Hall	Essential, Important, Economic Assets
Lowndes County	Schroer Estates Subdivision	0	293760	2014	2176	0	NGO, Government Offices	Important, Economic Assets
Lowndes County	Lowndes County Fire Rescue - Twin Lakes Station 2	0	270000	2014	2000	0	Emergency Services, Fire Fighters	Essential, Important, Economic Assets
Valdosta city	South Lowndes Recreation Center	0	13500	2014	100	0	Government, Government Offices	Essential, Important, Economic Assets
Lowndes County	Lowndes County Fire Rescue - Naylor Station	0	239760	2014	1776	0	Emergency Services, Fire Fighters	Essential, Important, Economic Assets
Valdosta city	Mass Media Building	0	2032695	2014	15057	0	Education, University	Important, Vulnerable Population, Economic Assets
Valdosta city	Ashley Hall	0	3507975	2014	25985	0	Education, University	Important, Vulnerable Population, Economic Assets
Valdosta city	Continuing Education	0	3663630	2014	27138	0	Education, University	Important, Vulnerable Population, Economic Assets
Valdosta city	Bursary	0	270000	2014	2000	0	Education, University	Important, Vulnerable Population, Economic Assets
Valdosta city	Fulbright House	0	485460	2014	3596	0	Education, University	Important, Vulnerable Population, Economic Assets
Valdosta city	University Union	0	15322500	2014	113500	0	Education, University	Important, Vulnerable Population, Economic Assets
Valdosta city	112 West Gordon St.	0	784620	2014	5812	0	Education, University	Important, Vulnerable Population, Economic Assets

Facility Lightning Hazard All Hazard Scores

Jurisdiction	Name	Hazard Score	Value	Replacement Value Year	Building size	Functional Use value	Facility type	Risk
Valdosta city	Valdosta State University	0	101250000	2014	750000		0 Education, University	Important, Vulnerable Population, Economic Assets
Valdosta city	Athletics Field House	0	5535000	2014	41000		0 Education, University	Important, Vulnerable Population, Economic Assets
Valdosta city	Environmental & Occupational Safety	0	304695	2014	2257		0 Education, University	Important, Vulnerable Population, Economic Assets
Valdosta city	Jerry and Kay Jennett Lecture Hall	0	4050000	2014	30000		0 Education, University	Important, Vulnerable Population, Economic Assets
Valdosta city	Psychology and Counseling	0	4050000	2014	30000		0 Education, University	Important, Vulnerable Population, Economic Assets
Valdosta city	Maceo Horne Learning Center	0	8397540	2014	62204		0 Education, K - 12	Important, Vulnerable Population
Valdosta city	Pinevale Elementary	0	12156075	2014	90045		0 Education, K - 12	Important, Vulnerable Population
Lowndes County	Clyattville Elementary School	0	12687570	2014	93982		0 Education, K - 12	Important, Vulnerable Population
Lowndes County	Moulton-Branch Elementary School	0	9158535	2014	67841		0 Education, K - 12	Important, Vulnerable Population
Valdosta city	Leila Ellis Social Service Complex	0	275202	2014	2808		0 Medical, Clinics	Essential, Hazardous Materials, Important, Economic Assets
Valdosta city	South Health District Office	0	1221251	2014	14280		0 Medical, Clinics	Essential, Hazardous Materials, Important, Economic Assets
Valdosta city	Lowndes County Health Department	0	3961790	2014	62343		0 Medical, Clinics	Essential, Hazardous Materials, Important, Economic Assets
Valdosta city	J. L. Newbern Middle School	0	14937210	2014	110646		0 Education, K - 12	Important, Vulnerable Population
Lowndes County	Lowndes Middle School	0	16493355	2014	122173		0 Education, K - 12	Important, Vulnerable Population
Valdosta city	Valdosta Middle School	0	14937210	2014	110646		0 Education, K - 12	Important, Vulnerable Population
Valdosta city	Parker Mathis Learning Center	0	6914835	2014	51221		0 Education, K - 12	Important, Vulnerable Population

Facility Lightning Hazard All Hazard Scores

Jurisdiction	Name	Hazard Score	Value	Replacement Value Year	Building size	Functional Use	Facility type	Risk
Valdosta city	W. G. Nunn Elementary School	0	9813015	2014	72689	0	Education, K - 12	Important, Vulnerable Population
Valdosta city	SL Mason Elementary School	0	7903845	2014	58547	0	Education, K - 12	Important, Vulnerable Population
Valdosta city	Sallas Mahone Elementary School	0	13360275	2014	98965	0	Education, K - 12	Important, Vulnerable Population
Valdosta city	Valdosta Early College Academy	0	6341355	2014	46973	0	Education, K - 12	Important, Vulnerable Population
Lowndes County	LOWNDES CO- SR 31 CLYATVILLE #2 (SL)	0	371520	2014	2752	0	Government, Government Offices	Essential, Important
Valdosta city	New Wastewater Management Center	0	20000000	2014	0	0	Government, Water/Sewer	Essential, Hazardous Materials, Important, Economic Assets
Hahira city	Hahira Elementary School	0	10811880	2014	80088	0	Education, K - 12	Important, Vulnerable Population
Hahira city	Hahira Middle School	0	18987480	2014	140648	0	Education, K - 12	Important, Vulnerable Population
Hahira city	Hahira Health Clinic	0	415377	2014	3445	0	Medical, Clinics	Essential, Hazardous Materials, Important, Economic Assets
Lake City city	Lake Park Health Clinic	0	93879	2014	1788	0	Medical, Clinics	Essential, Hazardous Materials, Important, Economic Assets
Valdosta city	Reade Residence Hall	0	5839965	2014	43259	0	Education, University	Important, Vulnerable Population
Valdosta city	Georgia Residence Hall	0	18664290	2014	138254	0	Education, University	Important, Vulnerable Population
Valdosta city	Langdale Residence Hall	0	14309865	2014	105999	0	Education, University	Important, Vulnerable Population
Valdosta city	Farber Hall	0	931500	2014	6900	0	Education, University	Important, Vulnerable Population
Valdosta city	Hopper Residence Hall	0	21037050	2014	155830	0	Education, University	Important, Vulnerable Population
Valdosta city	University Union	0	15322500	2014	113500	0	Education, University	Important, Vulnerable Population
Valdosta city	Pine Hall	0	3096900	2014	22940	0	Education, University	Important, Vulnerable Population
Valdosta city	Fine Arts Building	0	12487230	2014	92498	0	Education, University	Important, Vulnerable Population
Valdosta city	Fine Arts Mechanical Building	0	172935	2014	1281	0	Education, University	Important, Vulnerable Population

Facility Lightning Hazard All Hazard Scores

Jurisdiction	Name	Hazard Score	Value	Replacement Value Year	Building size	Functional Use value	Facility type	Risk
Valdosta city	Boiler House	0	569565	2014	4219	0	Education, University	Important, Vulnerable Population
Valdosta city	Education Center	0	9938700	2014	73620	0	Education, University	Important, Vulnerable Population
Valdosta city	PE Complex	0	14302575	2014	105945	0	Education, University	Important, Vulnerable Population
Valdosta city	Carswell House	0	287145	2014	2127	0	Education, University	Important, Vulnerable Population
Valdosta city	Honor's House	0	293220	2014	2172	0	Education, University	Important, Vulnerable Population
Valdosta city	International Programs	0	633285	2014	4691	0	Education, University	Important, Vulnerable Population
Valdosta city	Alumni Hosue	0	497610	2014	3686	0	Education, University	Important, Vulnerable Population
Valdosta city	Strategic Research & Analysis	0	361395	2014	2677	0	Education, University	Important, Vulnerable Population
Valdosta city	Admissions	0	726570	2014	5382	0	Education, University	Important, Vulnerable Population
Valdosta city	West Hall	0	8224605	2014	60923	0	Education, University	Important, Vulnerable Population
Valdosta city	Bailey Science Center	0	20002275	2014	148165	0	Education, University	Important, Vulnerable Population
Valdosta city	Nevins Hall	0	14080500	2014	104300	0	Education, University	Important, Vulnerable Population
Valdosta city	Band House Music Annex	0	253260	2014	1876	0	Education, University	Important, Vulnerable Population
Valdosta city	Radio House	0	245295	2014	1817	0	Education, University	Important, Vulnerable Population
Valdosta city	Martin Hall School of Nursing	0	2480355	2014	18373	0	Education, University	Important, Vulnerable Population
Valdosta city	Print Shop	0	1205010	2014	8926	0	Education, University	Important, Vulnerable Population
Valdosta city	Thaxton Hall	0	1630125	2014	12075	0	Education, University	Important, Vulnerable Population
Valdosta city	Barrow Hall / ROTC	0	1647135	2014	12201	0	Education, University	Important, Vulnerable Population
Valdosta city	Pound Hall	0	4175550	2014	30930	0	Education, University	Important, Vulnerable Population
Valdosta city	Warehouse NC2	0	735615	2014	5449	0	Education, University	Important, Vulnerable Population

Facility Lightning Hazard All Hazard Scores

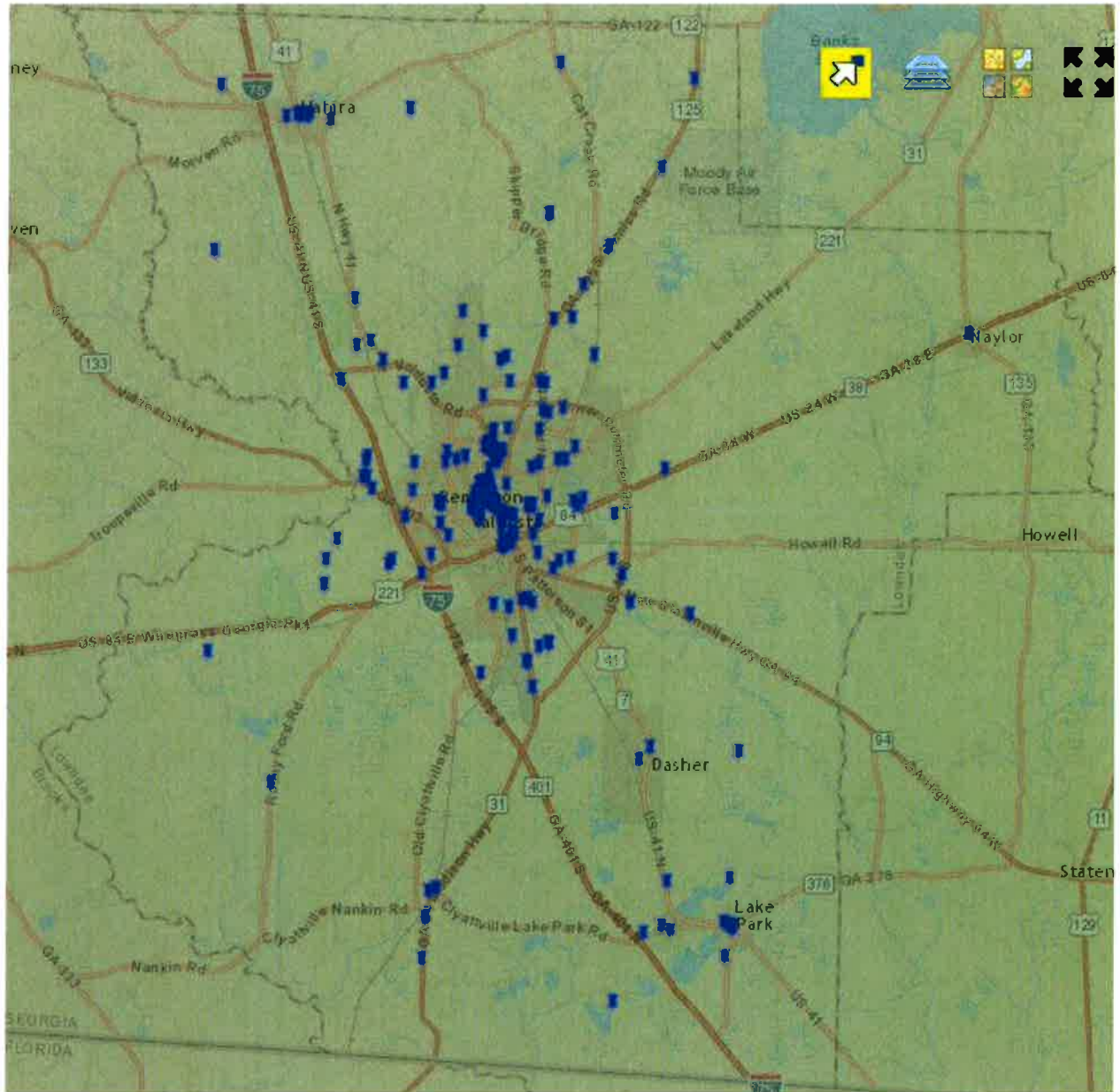
Jurisdiction	Name	Hazard Score	Value	Replacement Value Year	Building size	Functional Use value	Facility type	Risk
Valdosta city	Greenhouse	0	404595	2014	2997	0	Education, University	Important, Vulnerable Population
Valdosta city	NOCO Concessions	0	94770	2014	702	0	Education, University	Important, Vulnerable Population
Valdosta city	Powell Hall	0	3431835	2014	25421	0	Education, University	Important, Vulnerable Population
Valdosta city	University Relations	0	363285	2014	2691	0	Education, University	Important, Vulnerable Population
Valdosta city	Palms Dining Center	0	4213485	2014	31211	0	Education, University	Important, Vulnerable Population
Valdosta city	Psychology Class B	0	432135	2014	3201	0	Education, University	Important, Vulnerable Population
Valdosta city	Continuing Ed / Psychology Building	0	3663630	2014	27138	0	Education, University	Important, Vulnerable Population
Valdosta city	Old Housing & Residence Life	0	360315	2014	2669	0	Education, University	Important, Vulnerable Population
Valdosta city	Institutional Advancement	0	400005	2014	2963	0	Education, University	Important, Vulnerable Population
Valdosta city	Old COOP/Williams House	0	349380	2014	2588	0	Education, University	Important, Vulnerable Population
Valdosta city	Seago House/ EOP	0	748035	2014	5541	0	Education, University	Important, Vulnerable Population
Valdosta city	University Bursary	0	492885	2014	3651	0	Education, University	Important, Vulnerable Population
Valdosta city	Univeristy Center	0	20366370	2014	150862	0	Education, University	Important, Vulnerable Population
Valdosta city	Chemical Management	0	167265	2014	1239	0	Education, University	Important, Vulnerable Population
Valdosta city	English Language Institute 2	0	427950	2014	3170	0	Education, University	Important, Vulnerable Population
Valdosta city	Softball Ticket Booth	0	14850	2014	110	0	Education, University	Important, Vulnerable Population
Valdosta city	Softball Field House	0	311580	2014	2308	0	Education, University	Important, Vulnerable Population
Valdosta city	University Park 2	0	316575	2014	2345	0	Education, University	Important, Vulnerable Population
Valdosta city	University Park 1	0	292815	2014	2169	0	Education, University	Important, Vulnerable Population
Valdosta city	One Card	0	663525	2014	4915	0	Education, University	Important, Vulnerable Population

Facility Lightning Hazard All Hazard Scores

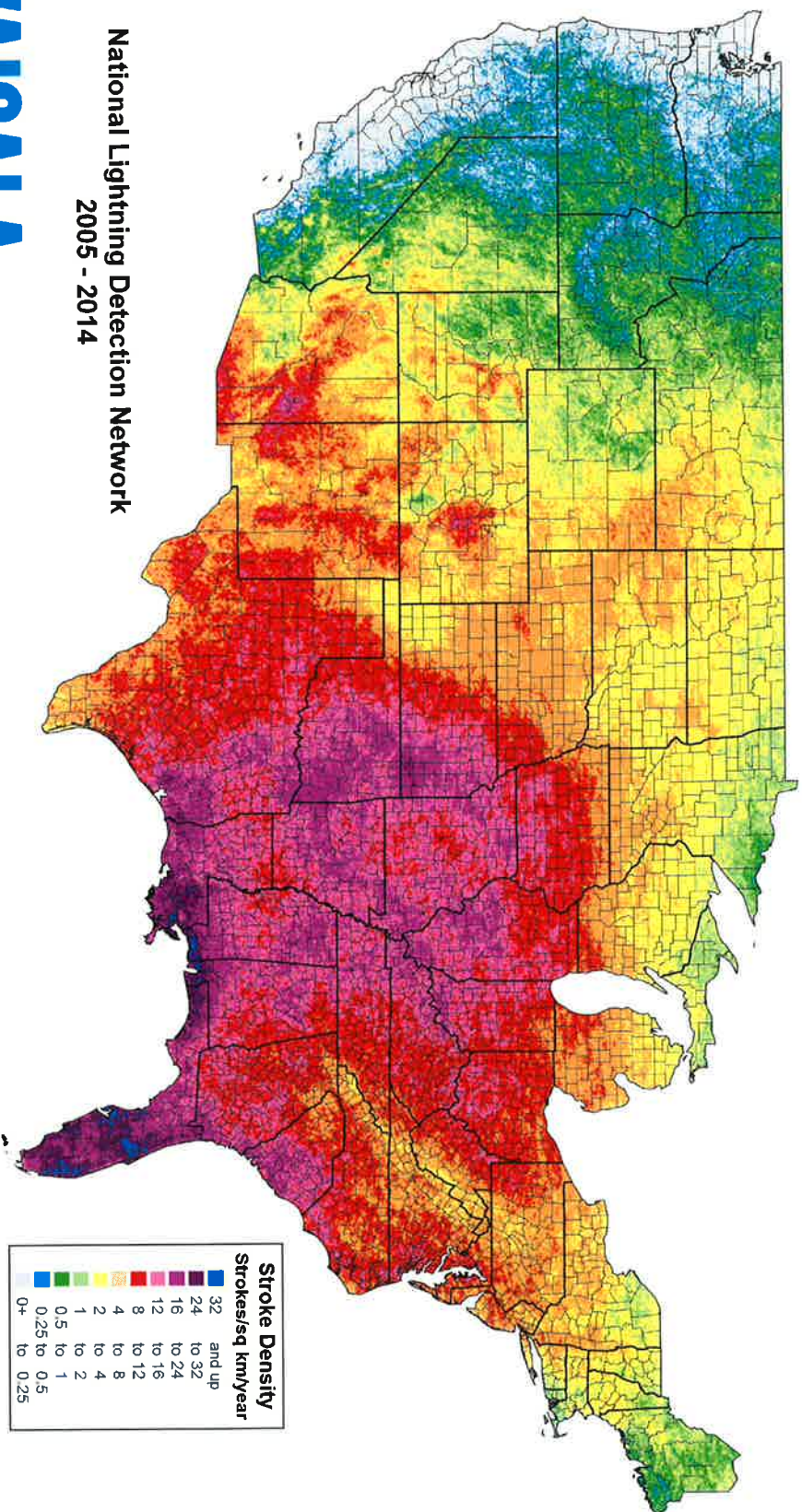
Jurisdiction	Name	Hazard Score	Value	Replacement Value Year	Building size value	Functional Use	Facility type	Risk
Valdosta city	Student Recreation Center	0	10310220	2014	76372	0	Education, University	Important, Vulnerable Population
Valdosta city	Special Ed/ Communication Disorders	0	3422250	2014	25350	0	Education, University	Important, Vulnerable Population
Valdosta city	MFT Clinic	0	231255	2014	1713	0	Education, University	Important, Vulnerable Population
Valdosta city	Baseball Field House	0	1371735	2014	10161	0	Education, University	Important, Vulnerable Population
Valdosta city	Plant Operations	0	6878520	2014	50952	0	Education, University	Important, Vulnerable Population
Valdosta city	Plant Ops Storage	0	6878520	2014	50952	0	Education, University	Important, Vulnerable Population
Valdosta city	Patterson Residence Hall	0	8000640	2014	59264	0	Education, University	Important, Vulnerable Population
Valdosta city	Lowndes Residence Hall	0	4744575	2014	35145	0	Education, University	Important, Vulnerable Population
Valdosta city	Centennial Hall East	0	19281240	2014	142824	0	Education, University	Important, Vulnerable Population
Valdosta city	Centennial Hall West	0	9419220	2014	69772	0	Education, University	Important, Vulnerable Population
Valdosta city	Campus Mail	0	406485	2014	3011	0	Education, University	Important, Vulnerable Population
Valdosta city	My Friend's House/Caregivers	0	298890	2014	2214	0	Education, University	Important, Vulnerable Population
Valdosta city	Baytree Apartments	0	475335	2014	3521	0	Education, University	Important, Vulnerable Population
Valdosta city	Odum Library	0	24522075	2014	181645	0	Education, University	Important, Vulnerable Population, Economic Assets
Valdosta city	Oak St. Parking Deck	0	46790055	2014	346593	0	Education, University	Important, Vulnerable Population, Economic Assets
Valdosta city	Sustella St. Parking Deck	0	53922915	2014	399429	0	Education, University	Important, Vulnerable Population, Economic Assets
Valdosta city	Student Health	0	3669975	2014	27185	0	Education, University	Important, Vulnerable Population, Economic Assets

Facility Lightning Hazard All Hazard Scores

Jurisdiction	Name	Hazard Score	Value	Replacement Value Year	Building size	Functional Use value	Facility type	Risk
Valdosta city	Brown Residence Hall	0	4909680	2014	36368	0	Education, University	Important, Vulnerable Population, Economic Assets
Valdosta city	Converse Apartments	0	5729400	2014	42440	0	Education, University	Important, Vulnerable Population, Economic Assets
Lowndes County	Moody AFB	0	0	2014	0	0	Government, Government Offices	Essential, Hazardous Materials, Important, Economic Assets



GMIS Critical Facilities Map – Lightning



National Lightning Detection Network 2005 - 2014

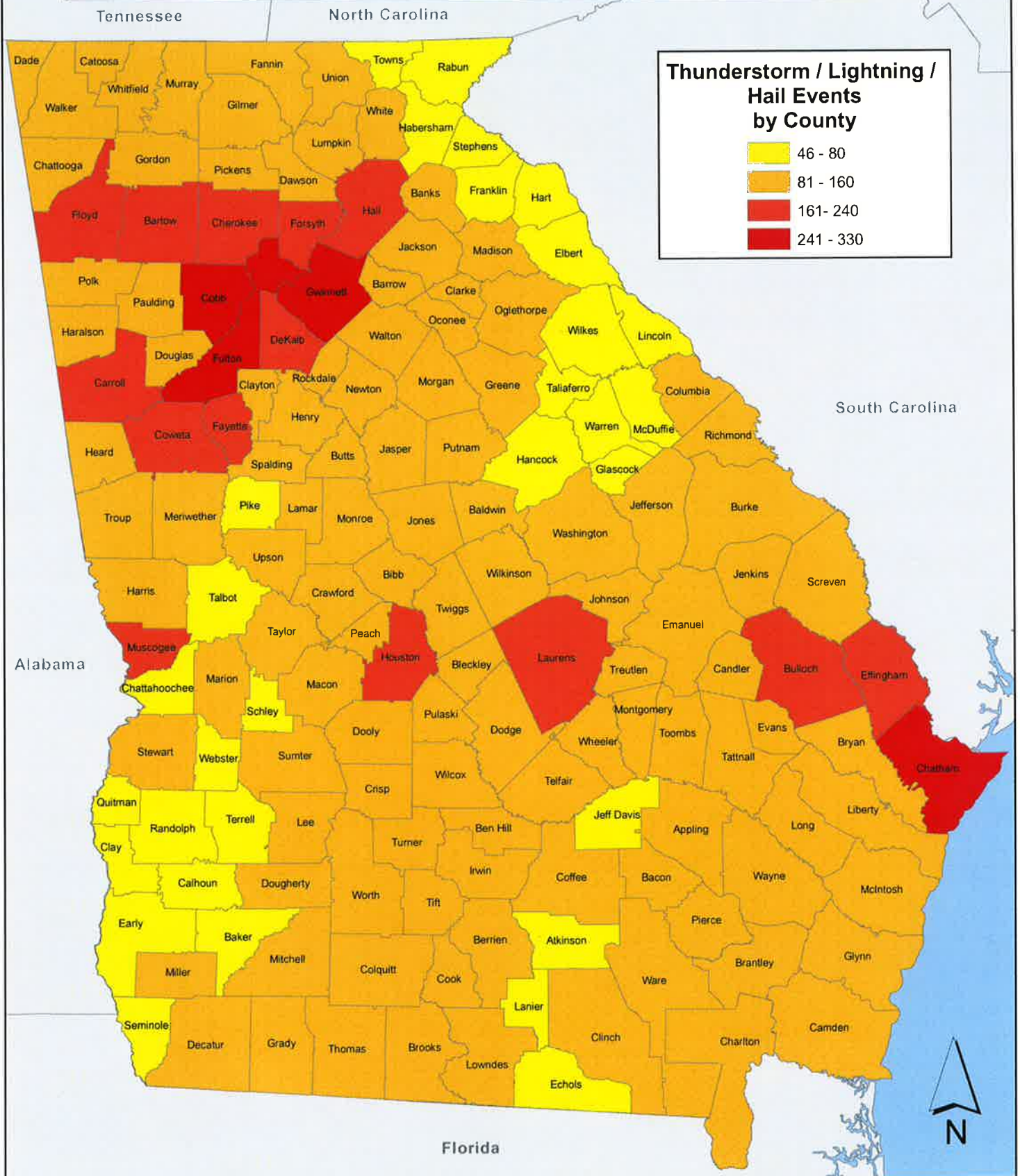
VAISALA

© Vaisala 2015. All rights reserved. For display purposes only - any other use is prohibited without prior written consent from Vaisala.



Thunderstorm / Lightning / Hail Events

1960-2012
SHELDUS Data



IV. Wildfire

- A. Wildfire Hazard Description – Wildfire is an uncontrolled fire spreading through vegetative fuels, exposing and possibly consuming structures. Naturally occurring and non-native species of grasses, brush, and trees fuel the spread of wildfires. Of its 512 square miles, Lowndes County has about 345 square miles of forested land. When a residential area, be it a single home or entire subdivision, comes in contact with an area containing vegetative fuels, such as a forest or other wooded area, this is referred to as a wildland urban interface area. These are areas at greatest risk for property damage due to wildfire. Because a large portion of Lowndes County's forested land is planted and harvested as a crop and/or used by wild game hunting outfitters, wildfire in Lowndes County also poses a significant risk of economic loss in addition to any potential property losses.
- B. Data – Events, Worksheet 3A, GEMA Critical Facility Inventory Report, Maps

Existing Situation

Lowndes County located in deep south Georgia, despite being home to the largest urbanized area along the southern tier of counties, is still almost 64% forested. Perhaps with the exception of the large blocks of woodlands in the flatwoods of northeastern Lowndes County, 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.

Lowndes County is protected by organized fire departments within the cities of Valdosta, Hahira and Moody Air Force Base along with 17 well spaced volunteer fire departments in the unincorporated areas of the county. The Georgia Forestry Commission maintains a county protection unit located just east of Valdosta on Hwy 84 to respond to wildfires throughout the county. The cities of Valdosta, Hahira and Lake Park and some adjacent areas of the county are serviced by a pressurized water systems with hydrants available.

Over the past fifty two years, Lowndes County has averaged 126 reported wildland fires per year, burning an average of 594 acres per years. Using more recent figures over the past 20 years, this number has declined somewhat to an average of 105 fires per year burning 419 acres annually. The occurrence of these fires during this period shows a pronounced peak during the months of January, February and March accounting for 47% of the annual fires and almost 70% of the average acreage burned. There is a significant decrease during the remainder of the year, particularly during the summer months.

Over the past 20 years, the leading causes of these fires, was debris burning and arson causing 50% and 19% respectively of the fires and 68% and 16% respectively of the acres burned. Over the past six years records show that over 55% of the debris fires originated from residential burning.

Georgia Forestry Commission Wildfire Records show that in the past six years, 6 homes have been lost or damaged by wildfire in Lowndes County resulting in estimated losses of \$171,500 along with 19 outbuildings valued at \$56,400. According to reports during this period 98 homes have been directly or indirectly threatened by these fires. Additionally 11 vehicles valued at \$74,000 and 16 other pieces of mechanized equipment valued at \$407,250 were lost. This is a substantial loss of non timber property attributed to wildfires in Lowndes County.

County: <div>Lowndes</div> <div>2015</div> <div>Fiscal Year:</div> <div>Generate List</div>						
County = Lowndes	Cause	Fires	Acres	Fires 5 Yr Avg	Acres 5 Yr Avg	Acres
Campfire	Campfire	1	0.50	2.00	4.97	
Children	Children	0	0.00	2.00	3.25	
Debris: Ag Fields, Pastures, Orchards, Etc	Debris: Ag Fields, Pastures, Orchards, Etc	2	1.94	1.20	11.35	
Debris: Construction Land Clearing	Debris: Construction Land Clearing	1	0.02	2.00	3.78	
Debris: Escaped Prescribed Burn	Debris: Escaped Prescribed Burn	3	12.10	5.40	26.01	
Debris: Household Garbage	Debris: Household Garbage	3	1.01	2.40	3.71	
Debris: Other	Debris: Other	1	0.70	1.60	1.26	
Debris: Residential, Leafpiles, Yard, Etc	Debris: Residential, Leafpiles, Yard, Etc	9	19.65	8.60	28.06	
Debris: Site Prep - Forestry Related	Debris: Site Prep - Forestry Related	1	5.00	0.40	2.04	
Incendiary	Incendiary	0	0.00	8.60	33.97	
Lightning	Lightning	6	199.10	3.60	51.34	
Machine Use	Machine Use	1	1.00	3.60	4.90	
Miscellaneous	Miscellaneous	0	0.00	0.80	0.36	
Miscellaneous: Fireworks/Explosives	Miscellaneous: Fireworks/Explosives	0	0.00	0.20	0.09	
Miscellaneous: Other	Miscellaneous: Other	0	0.00	0.40	0.06	
Miscellaneous: Power lines/Electric fences	Miscellaneous: Power lines/Electric fences	0	0.00	0.20	0.02	
Railroad	Railroad	1	0.50	0.80	1.48	
Smoking	Smoking	0	0.00	1.80	5.97	
Undetermined	Undetermined	5	5.47	2.20	3.24	
Totals for County: Lowndes Year: 2015		34	246.99	47.80	185.85	

GEMA Worksheet #3a**Inventory of Assets****Jurisdiction: Lowndes****Hazard: Wildfire**

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

Type of Structure (Occupancy Class)	# 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	31,847	9,447	29.663%	2,755,703,596	817,424,358	29.663%	112,515	33,375	30%
Commercial	3,742	811	21.683%	1,184,803,804	256,901,009	21.683%	0	0	0%
Industrial	364	119	32.663%	226,661,336	74,034,392	32.663%	0	0	0%
Agricultural	1,237	1,237	100.000%	119,283,276	119,283,276	100.000%	0	0	0%
Religious/ Non-profit	401	126	31.540%	155,502,640	49,045,533	31.540%	0	0	0%
Government	338	108	31.963%	239,948,753	76,694,820	31.963%	0	0	0%
Education	83	43	52.000%	112,974,247	58,746,608	52.000%	0	0	0%
Utilities	111	33	29.412%	15,186,185	4,466,561	29.412%	0	0	0%
Total	38,123	11,924	31.279%	4,810,063,837	1,456,596,556	30.282%	112,515	33,375	30%

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

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

Jurisdiction	Name	Hazard Score	Value	Replacement Value Year	Building size	Functional Use value	Facility type	Risk
Lowndes County	Lowndes Middle School	2	16493355	2014	122173		Education, K - 12	Important, Vulnerable Population
Valdosta city	Maceo Horne Learning Center	2	8397540	2014	62204		Education, K - 12	Important, Vulnerable Population
Valdosta city	Pinevale Elementary	2	12156075	2014	90045		Education, K - 12	Important, Vulnerable Population
Lowndes County	Moulton-Branch Elementary School	2	9158535	2014	67841		Education, K - 12	Important, Vulnerable Population
Hahira city	Hahira Elementary School	1	10811880	2014	80088		Education, K - 12	Important, Vulnerable Population
Valdosta city	SL Mason Elementary School	2	7903845	2014	58547		Education, K - 12	Important, Vulnerable Population
Valdosta city	Valdosta Early College Academy	2	6341355	2014	46973		Education, K - 12	Important, Vulnerable Population
Lowndes County	LOWNDES CO- SR 31 CLYATVILLE #2 (SL)	1	371520	2014	2752		Government Offices	Essential, Important
Hahira city	Hahira Middle School	1	18987480	2014	140648		Education, K - 12	Important, Vulnerable Population
Valdosta city	Reade Residence Hall	2	5839965	2014	43259		Education, University	Important, Vulnerable Population
Valdosta city	Georgia Residence Hall	2	18664290	2014	138254		Education, University	Important, Vulnerable Population
Valdosta city	Langdale Residence Hall	2	14309865	2014	105999		Education, University	Important, Vulnerable Population
Valdosta city	Farber Hall	2	931500	2014	6900		Education, University	Important, Vulnerable Population
Valdosta city	Hopper Residence Hall	2	21037050	2014	155830		Education, University	Important, Vulnerable Population
Valdosta city	University Union	2	15322500	2014	113500		Education, University	Important, Vulnerable Population

Jurisdiction	Name	Hazard Score	Value	Replacement Value Year	Building size	Functional Use value	Facility type	Risk
Valdosta city	Pine Hall	2	3096900	2014	22940	0	Education, University	Important, Vulnerable Population
Valdosta city	Fine Arts Building	2	12487230	2014	92498	0	Education, University	Important, Vulnerable Population
Valdosta city	Fine Arts Mechanical Building	2	172935	2014	1281	0	Education, University	Important, Vulnerable Population
Valdosta city	Boiler House	2	569565	2014	4219	0	Education, University	Important, Vulnerable Population
Valdosta city	Education Center	2	9938700	2014	73620	0	Education, University	Important, Vulnerable Population
Valdosta city	PE Complex	2	14302575	2014	105945	0	Education, University	Important, Vulnerable Population
Valdosta city	Carswell House	2	287145	2014	2127	0	Education, University	Important, Vulnerable Population
Valdosta city	Honor's House	2	293220	2014	2172	0	Education, University	Important, Vulnerable Population
Valdosta city	International Programs	2	633285	2014	4691	0	Education, University	Important, Vulnerable Population
Valdosta city	Alumni Hosue	2	497610	2014	3686	0	Education, University	Important, Vulnerable Population
Valdosta city	Strategic Research & Analysis	2	361395	2014	2677	0	Education, University	Important, Vulnerable Population
Valdosta city	Admissions	2	726570	2014	5382	0	Education, University	Important, Vulnerable Population
Valdosta city	West Hall	2	8224605	2014	60923	0	Education, University	Important, Vulnerable Population
Valdosta city	Bailey Science Center	2	20002275	2014	148165	0	Education, University	Important, Vulnerable Population
Valdosta city	Nevins Hall	2	14080500	2014	104300	0	Education, University	Important, Vulnerable Population

Facility Wildfire Hazard All Hazards > 0

Jurisdiction	Name	Hazard Score	Value	Replacement Value Year	Building size	Functional Use value	Facility type	Risk
Valdosta city	Band House Music Annex	2	253260	2014	1876	0	Education, University	Important, Vulnerable Population
Valdosta city	Radio House	2	245295	2014	1817	0	Education, University	Important, Vulnerable Population
Valdosta city	Martin Hall School of Nursing	2	2480355	2014	18373	0	Education, University	Important, Vulnerable Population
Valdosta city	Print Shop	2	1205010	2014	8926	0	Education, University	Important, Vulnerable Population
Valdosta city	Pound Hall	2	4175550	2014	30930	0	Education, University	Important, Vulnerable Population
Valdosta city	Powell Hall	2	3431835	2014	25421	0	Education, University	Important, Vulnerable Population
Valdosta city	University Relations	2	363285	2014	2691	0	Education, University	Important, Vulnerable Population
Valdosta city	Palms Dining Center	2	4213485	2014	31211	0	Education, University	Important, Vulnerable Population
Valdosta city	Psychology Class B Continuing Ed /	2	432135	2014	3201	0	Education, University	Important, Vulnerable Population
Valdosta city	Psychology Building	2	3663630	2014	27138	0	Education, University	Important, Vulnerable Population
Valdosta city	Old Housing & Residence Life	2	360315	2014	2669	0	Education, University	Important, Vulnerable Population
Valdosta city	Institutional Advancement	2	400005	2014	2963	0	Education, University	Important, Vulnerable Population
Valdosta city	Old COOP/Williams House	2	349380	2014	2588	0	Education, University	Important, Vulnerable Population
Valdosta city	Seago House/ EOP	2	748035	2014	5541	0	Education, University	Important, Vulnerable Population
Valdosta city	University Bursary	2	492885	2014	3651	0	Education, University	Important, Vulnerable Population

Facility Wildfire Hazard All Hazards > 0

Jurisdiction	Name	Hazard Score	Value	Replacement Value Year	Building size	Functional Use value	Facility type	Risk
Valdosta city	Univeristy Center	2	20366370	2014	150862	0	Education, University	Important, Vulnerable Population
Valdosta city	English Language Institute 2	2	427950	2014	3170	0	Education, University	Important, Vulnerable Population
Valdosta city	University Park 2	2	316575	2014	2345	0	Education, University	Important, Vulnerable Population
Valdosta city	University Park 1	2	292815	2014	2169	0	Education, University	Important, Vulnerable Population
Valdosta city	One Card	2	663525	2014	4915	0	Education, University	Important, Vulnerable Population
Valdosta city	Student Recreation Center	2	10310220	2014	76372	0	Education, University	Important, Vulnerable Population
Valdosta city	Communication Disorders	2	3422250	2014	25350	0	Education, University	Important, Vulnerable Population
Valdosta city	MFT Clinic	2	231255	2014	1713	0	Education, University	Important, Vulnerable Population
Valdosta city	Patterson Residence Hall	2	8000640	2014	59264	0	Education, University	Important, Vulnerable Population
Valdosta city	Lowndes Residence Hall	2	4744575	2014	35145	0	Education, University	Important, Vulnerable Population
Valdosta city	Centennial Hall East	2	19281240	2014	142824	0	Education, University	Important, Vulnerable Population
Valdosta city	Centennial Hall West	2	9419220	2014	69772	0	Education, University	Important, Vulnerable Population
Valdosta city	Campus Mail	2	406485	2014	3011	0	Education, University	Important, Vulnerable Population
Valdosta city	My Friend's House/Caregivers	2	298890	2014	2214	0	Education, University	Important, Vulnerable Population
Valdosta city	Baytree Apartments	2	475335	2014	3521	0	Education, University	Important, Vulnerable Population

Jurisdiction	Name	Hazard Score	Value	Replacement Value Year	Building size	Functional Use value	Facility type	Risk
Valdosta city	Odum Library	2	24522075	2014	181645	0	Education, University	Important, Vulnerable Population, Economic Assets
Valdosta city	Oak St. Parking Deck	2	46790055	2014	346593	0	Education, University	Important, Vulnerable Population, Economic Assets
Valdosta city	Sustella St. Parking Deck	2	53922915	2014	399429	0	Education, University	Important, Vulnerable Population, Economic Assets
Valdosta city	Student Health	2	3669975	2014	27185	0	Education, University	Important, Vulnerable Population, Economic Assets
Valdosta city	Brown Residence Hall	2	4909680	2014	36368	0	Education, University	Important, Vulnerable Population, Economic Assets
Valdosta city	Converse Apartments	2	5729400	2014	42440	0	Education, University	Important, Vulnerable Population, Economic Assets
Valdosta city	Traffic Management Center	2	702000	2014	5200	0	Government Offices	Essential, Important, Economic Assets
Valdosta city	Briggs St Elevated Storage Tank	2	135000	2014	1000	0	Government Offices	Essential, Important, Economic Assets
Valdosta city	Pipeyard Elevated Storage Tank	2	135000	2014	1000	0	Government Offices	Essential, Important, Economic Assets
Valdosta city	Airport Lift Station #1	2	135000	2014	1000	0	Government Offices	Essential, Important, Economic Assets
Valdosta city	Martin's Pastry Lift Station	2	135000	2014	1000	0	Government Offices	Essential, Important, Economic Assets
Dasher town	Dasher City Hall and Administrative Complex	1	253800	2014	1880	0	Government Offices	Essential, Important, Economic Assets
Valdosta city	South GA Regional Commission	2	21600000	2014	160000	0	Government Offices	Essential, Important, Economic Assets
Valdosta city	Valdosta Fire Dept Maintenance Facility	2	250000	2014	9120	0	Government, Fire Fighters	Essential, Important, Economic Assets

Jurisdiction	Name	Hazard Score	Value	Replacement Value Year	Building size	Functional Use value	Facility type	Risk
Valdosta city	Valdosta Utilities Office	2	1528200	2014	11320	0	Government Offices	Essential, Important, Economic Assets
Valdosta city	Valdosta Utilities Warehouse	2	1957500	2014	14500	0	Government Offices	Essential, Important, Economic Assets
Valdosta city	Rogers St Lift Station	2	135000	2014	1000	0	Government Offices	Essential, Important, Economic Assets
Valdosta city	Ponderosa Lift Station	2	135000	2014	1000	0	Government Offices	Essential, Important, Economic Assets
Valdosta city	Valdosta Customer Service Center	2	847125	2014	6275	0	Government Offices	Essential, Important, Economic Assets
Valdosta city	Maintenance/Fuel Facility	2	2207250	2014	16350	0	Government Offices	Essential, Important, Economic Assets
Valdosta city	94 Lift Station	2	135000	2014	1000	0	Government Offices	Essential, Important, Economic Assets
Lowndes County	Lowndes Middle School	2	1649295	2014	12217	0	Education, K - 12	Important, Vulnerable Population, Economic Assets
Valdosta city	Valdosta Fire Department HQ	2	1485000	2014	11000	0	Services, Fire Fighters	Essential, Important, Economic Assets
Lowndes County	Rescue - Clyattville Station 2	1	270000	2014	2000	0	Services, Fire Fighters	Essential, Important, Economic Assets
Lowndes County	Rescue - Eastside Station 2	1	270000	2014	2000	0	Services, Fire Fighters	Essential, Important, Economic Assets
Lowndes County	Rescue - Westside Station 2	1	270000	2014	2000	0	Services, Fire Fighters	Essential, Important, Economic Assets
Lowndes County	Lowndes County Public Works	2	2025000	2014	15000	0	Government Offices	Essential, Important, Economic Assets
Valdosta city	JL Lomax Elementary School	2	16875000	2014	125000	0	Education, K - 12	Important, Vulnerable Population, Economic Assets
Lowndes County	Mud Creek Wastewater Treatment Plant	1	54000	2014	400	0	Government, Water/Sewer	Essential, Important, Economic Assets

Jurisdiction	Name	Hazard Score	Value	Replacement Value Year	Building size	Functional Use value	Facility type	Risk
Lowndes County	Lowndes County Utilities Sprayfield	1	54000	2014	400	0	Government Offices	Essential, Important, Economic Assets
Dasher town	Georgia Christian School	1	1888920	2014	13992	0	Education, K - 12	Important, Vulnerable Population, Economic Assets
Lowndes County	Lowndes State Prison	2	4159120	2014	16976	0	Government, Penitentiary	Essential, Important, Economic Assets
Lowndes County	Valdosta State Prison	2	9282805	2014	37889	0	Government, Penitentiary	Essential, Important, Economic Assets
Lowndes County	Veolia Pecan Row - Evergren Landfill	1	150000	2014	5799	0	Government, Landfill	Essential, Important, Economic Assets
Valdosta city	Valdosta Public Works	2	1086750	2014	8050	0	Government Offices	Essential, Important, Economic Assets
Valdosta city	Valdosta Police Department	2	2819340	2014	20884	0	Services, Police	Essential, Important, Economic Assets
Lowndes County	Rescue - Eastside Station 1	1	405000	2014	3000	0	Services, Fire Fighters	Essential, Important, Economic Assets
Lowndes County	Rescue - Southside Station	2	265545	2014	1967	0	Services, Fire Fighters	Essential, Important, Economic Assets
Valdosta city	Valdosta Municipal Court Building	2	912600	2014	6760	0	Government, Court House	Essential, Important, Economic Assets
Valdosta city	Valdosta Fire Department Station 3	2	213840	2014	1584	0	Services, Fire Fighters	Essential, Important, Economic Assets
Valdosta city	Lowndes County Jail and Sherriff's Office	2	34324255	2014	140099	0	Services, Sheriff	Essential, Important, Economic Assets
Lowndes County	Rescue - Bemiss Station 2	1	229500	2014	1700	0	Services, Fire Fighters	Essential, Important, Economic Assets
Lowndes County	Rescue - N Lowndes Station 1	2	378000	2014	2800	0	Services, Fire Fighters	Essential, Important, Economic Assets
Valdosta city	Valdosta High School	2	6881085	2014	50971	0	Education, K - 12	Important, Vulnerable Population, Economic Assets

Jurisdiction	Name	Hazard Score	Value	Replacement Value Year	Building size	Functional Use value	Facility type	Risk
Valdosta city	Valdosta-Lowndes County Public Library	2	2553795	2014	18917	0	Government, Library	Essential, Important, Economic Assets
Lowndes County	Foxborough Lift Station	2	135000	2014	1000	0	Government Offices	Essential, Important, Economic Assets
Valdosta city	South Georgia Medical Center	2	39943575	2014	177527	0	Services, Hospital	Essential, Hazardous Materials, Important, Economic Assets
Valdosta city	Greenleaf Center, Inc.- South Georgia	2	8440875	2014	37515	0	Services, Medical	Essential, Hazardous Materials, Important, Economic Assets
Lowndes County	Wiregrass Technical College	2	1931850	2014	14310	0	Education, VoTech	Important, Vulnerable Population, Economic Assets
Valdosta city	Faith Christian Academy	2	1174905	2014	8703	0	Education, K - 12	Important, Vulnerable Population, Economic Assets
Valdosta city	United Cerebral Palsy SWEETWATER	2	250000	2014	1000	0	Medical, Non-Profit	Essential, Important, Economic Assets
Valdosta city	Lakeland Hwy Lift Station	2	135000	2014	1000	0	Government Offices	Essential, Important, Economic Assets
Valdosta city	Valdosta Inert Landfill	2	150000	2014	1000	0	Government, Landfill	Essential, Important, Economic Assets
Valdosta city	Valdosta PD Firing Range	2	270000	2014	2000	0	Services, Police	Essential, Important, Economic Assets
Valdosta city	Valdosta Regional Crime Lab	2	1725300	2014	12780	0	Services, Police	Essential, Important, Economic Assets
Lowndes County	Smith Northview Hospital	2	15433200	2014	68592	0	Medical, Hospital	Essential, Hazardous Materials, Important, Economic Assets
Valdosta city	Mathis City Auditorium	2	250000	2014	22676	0	Government Offices	Essential, Important, Economic Assets
Valdosta city	Park Avenue United Methodist Church	2	250000	2014	76322	0	NGO, Non-Profit	Important, Economic Assets
Valdosta city	Holly Hill Nursing Home	2	250000	2014	24229	0	Medical Offices	Essential, Important, Economic Assets

Facility Wildfire Hazard All Hazards > 0

Jurisdiction	Name	Hazard Score	Value	Replacement Value Year	Building size	Functional Use value	Facility type	Risk
Valdosta city	Crestwood Nursing Home	2	250000	2014	27622		Medical Offices	Essential, Important, Economic Assets
Valdosta city	Lowndes County EMS - Station 1	1	303615	2014	2249		Emergency Services, EMS	Essential, Important, Economic Assets
Lowndes County	Lowndes County Fire Rescue HQ	2	1140480	2014	8448		Services, Fire Fighters	Essential, Important, Economic Assets
Valdosta city	Valdosta City Hall	2	1659960	2014	12296		Government, City Hall	Essential, Important, Economic Assets
Valdosta city	Dewar Elementary School	2	11322855	2014	83873		Education, K - 12	Important, Vulnerable Population, Economic Assets
Valdosta city	High School Elevated Storage Tank	2	135000	2014	1000		Education, Water/Sewer	Important, Vulnerable Population, Economic Assets
Valdosta city	Little Country Club Lift Station	2	135000	2014	1000		Government Offices	Essential, Important, Economic Assets
Valdosta city	Eastwind Lift Station	2	135000	2014	1000		Government Offices	Essential, Important, Economic Assets
Lowndes County	Georgia Military College	2	6507000	2014	48200		Education, Jr Colleges	Important, Vulnerable Population, Economic Assets
Valdosta city	Knight's Mill Lift Station	2	135000	2014	1000		Government Offices	Essential, Important, Economic Assets
Lowndes County	Valwood School	2	2025000	2014	15000		Education, K - 12	Important, Vulnerable Population, Economic Assets
Hahira city	Hahira Fire Department	1	675000	2014	5000		Services, Fire Fighters	Essential, Important, Economic Assets
Hahira city	City of Hahira	1	234360	2014	1736		Government, City Hall	Essential, Important, Economic Assets
Hahira city	Department, City Hall, and City Jail	1	323190	2014	2394		Services, City Hall	Essential, Important, Economic Assets
Lake City city	Lake Park Elementary School	1	1044630	2014	7738		Education, K - 12	Important, Vulnerable Population, Economic Assets

Facility Wildfire Hazard All Hazards > 0

Jurisdiction	Name	Hazard Score	Value	Replacement Value Year	Building size	Functional Use value	Facility type	Risk
Lake City city	Lake Park Police Department	1	110565	2014	819	0	Services, Police	Essential, Important, Economic Assets
Lake City city	Lake Park Fire Department	1	172800	2014	1280	0	Services, Fire Fighters	Essential, Important, Economic Assets
Lake City city	Lake Park City Hall	1	283500	2014	2100	0	Government, City Hall	Essential, Important, Economic Assets
Lake City city	City of Lake Park	1	251235	2014	1861	0	Government, City Hall	Essential, Important, Economic Assets
Valdosta city	South Lowndes Recreation Center	1	13500	2014	100	0	Government Offices	Essential, Important, Economic Assets
Lowndes County	Lowndes County Fire Rescue - Naylor Station	1	239760	2014	1776	0	Services, Fire Fighters	Essential, Important, Economic Assets
Valdosta city	Mass Media Building	2	2032695	2014	15057	0	Education, University	Important, Vulnerable Population, Economic Assets
Valdosta city	Ashley Hall	2	3507975	2014	25985	0	Education, University	Important, Vulnerable Population, Economic Assets
Valdosta city	Continuing Education	2	3663630	2014	27138	0	Education, University	Important, Vulnerable Population, Economic Assets
Valdosta city	Bursary	2	270000	2014	2000	0	Education, University	Important, Vulnerable Population, Economic Assets
Valdosta city	Fulbright House	2	485460	2014	3596	0	Education, University	Important, Vulnerable Population, Economic Assets
Valdosta city	University Union	2	15322500	2014	113500	0	Education, University	Important, Vulnerable Population, Economic Assets
Valdosta city	112 West Gordon St.	2	784620	2014	5812	0	Education, University	Important, Vulnerable Population, Economic Assets
Valdosta city	Valdosta State University	2	101250000	2014	750000	0	Education, University	Important, Vulnerable Population, Economic Assets
Valdosta city	Athletics Field House	2	5535000	2014	41000	0	Education, University	Important, Vulnerable Population, Economic Assets

Facility Wildfire Hazard All Hazards > 0

Jurisdiction	Name	Hazard Score	Value	Replacement Value Year	Building size	Functional Use value	Facility type	Risk
Valdosta city	Environmental & Occupational Safety	2	304695	2014	2257	0	Education, University	Important, Vulnerable Population, Economic Assets
Valdosta city	Jerry and Kay Jennett Lecture Hall	2	4050000	2014	30000	0	Education, University	Important, Vulnerable Population, Economic Assets
Valdosta city	Psychology and Counseling	2	4050000	2014	30000	0	Education, University	Important, Vulnerable Population, Economic Assets
Valdosta city	Leila Ellis Social Service Complex	2	275202	2014	2808	0	Medical, Clinics	Essential, Hazardous Materials, Important, Economic Assets
Valdosta city	South Health District Office	2	1221251	2014	14280	0	Medical, Clinics	Essential, Hazardous Materials, Important, Economic Assets
Valdosta city	Lowndes County Health Department	2	3961790	2014	62343	0	Medical, Clinics	Essential, Hazardous Materials, Important, Economic Assets

V. Extreme Heat and/or Cold

- A. Extreme Heat/Cold Description – As a general rule, Lowndes County can be considered to have a moderate climate for the majority of the year. However, it is not immune to occasional temperature extremes and the inherent risks that accompany them.

The most prevalent temperature extreme is the high heat and humidity that often occurs beginning in late spring and sometimes occurring as late as the early fall months. The frequency and duration of these conditions varies, but in general they are a constant threat for several months out of every year. These elevated temperatures pose a number of significant risks, such as heat exhaustion and/or stroke, to those exposed to their effects.

The other extreme, severe cold is not as prevalent in South GA but is an ever present hazard nonetheless. Historically, the southern part of the state has been known for its milder winter climate. However, in the past few years it has become more common for our region to experience abnormally cold periods which have ranged from a few days to a couple of weeks. By abnormally cold we are referring to hard freezes when temperatures drop well below freezing (26 degrees or lower) for several hours per day. These temperatures are usually the result of a cold front moving through the area and the speed with which the front passes determines the length and severity of the extreme temperatures. The fact that it is a more uncommon occurrence has a tendency to make it more of a risk since less people are prepared for it. Especially at risk are the low income, elderly and homeless who often do not have adequate means of heating to protect themselves from the dangerous effects of freezing temperatures.

- B. Data – Events, Worksheet 3A, GEMA Critical Facility Inventory Report, Maps

Each National Weather Service Forecast Office issues the following heat-related products as conditions warrant:

Excessive Heat Outlooks: are issued when the potential exists for an excessive heat event in the next 3-7 days. An Outlook provides information to those who need considerable lead time to prepare for the event, such as public utility staff, emergency managers and public health officials. See the mean heat index and probability forecasts maps.

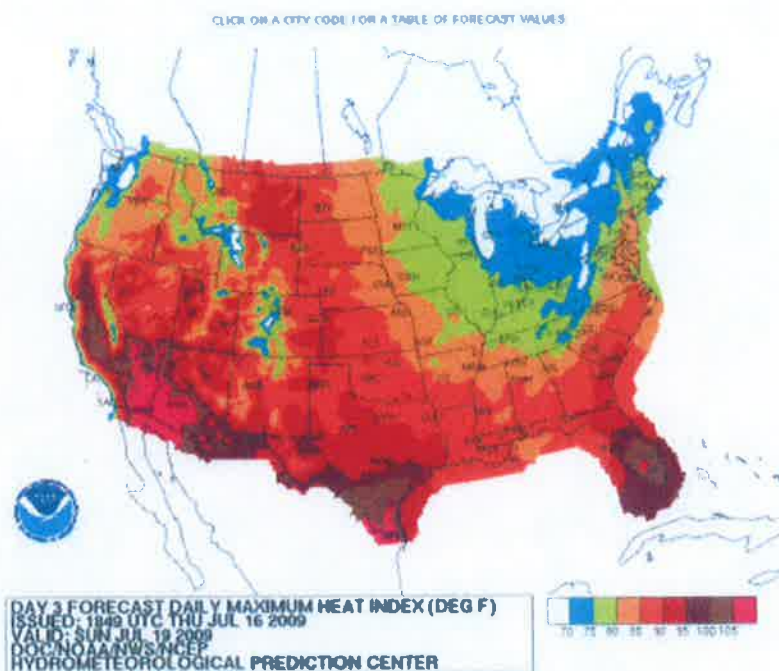
Excessive Heat Watches: are issued when conditions are favorable for an excessive heat event in the next 24 to 72 hours. A Watch is used when the risk of a heat wave has increased but its occurrence and timing is still uncertain. A Watch provides enough lead time so that those who need to prepare can do so, such as cities officials who have excessive heat event mitigation plans.

Excessive Heat Warning/Advisories are issued when an excessive heat event is expected in the next 36 hours. These products are issued when an excessive heat event is occurring, is imminent, or has a very high probability of occurring. The warning is used for conditions posing a threat to life or property. An advisory is for less serious conditions that cause significant discomfort or inconvenience and, if caution is not taken, could lead to a threat to life and/or property.

How Forecasters Decide Whether to Issue Excessive Heat Products

NOAA's heat alert procedures are based mainly on Heat Index Values. The Heat Index, sometimes referred to as the apparent temperature is given in degrees Fahrenheit. The Heat Index is a measure of how hot it really feels when relative humidity is factored with the actual air temperature.

To find the Heat Index temperature, look at the Heat Index chart below. As an example, if the air temperature is 96°F and the relative humidity is 65%, the heat index--how hot it feels--is 121°F. The Weather Service will initiate alert



procedures when the Heat Index is expected to exceed 105°-110°F (depending on local climate) for at least 2

NOAA's National Weather Service

Heat Index
Temperature (°F)

	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	110
40	80	81	83	85	88	91	94	97	101	105	109	114	119	124	130	136
45	80	82	84	87	89	93	96	100	104	109	114	119	124	130	137	
50	81	83	85	88	91	95	99	103	108	113	118	124	131	137		
55	81	84	86	89	93	97	101	106	112	117	124	130	137			
60	82	84	86	91	95	100	105	110	116	123	129	137				
65	82	85	89	93	98	103	108	114	121	128	136					
70	83	86	90	95	100	105	112	119	126	134						
75	84	88	92	97	103	109	116	124	132							
80	84	89	94	100	106	113	121	129								
85	85	90	96	102	110	117	126	135								
90	86	91	98	105	113	122	131									
95	86	93	100	108	117	127										
100	87	95	103	112	121	132										

Likelihood of Heat Disorders with Prolonged Exposure or Strenuous Activity

consecutive days. Caution Extreme Caution Danger Extreme Danger

IMPORTANT: Since heat index values were devised for shady, light wind conditions, **exposure to full sunshine can increase heat index values by up to 15°F.** also, **strong winds**, particularly with very hot, dry air, can be extremely hazardous.

The Heat Index Chart shaded zone above 105°F shows a level that may cause increasingly severe heat disorders with continued exposure or physical activity.

For our purposes, we have reported any events that would fall within the Danger or Extreme Danger Zone of the above chart (using the maximum daily temperature and the average between the high and low humidity) during 2007-2011 as reported at the nearest GA Forestry Commission Automated Weather Station (Byromville, Georgia GA Forestry Commission Station located approximately 37 miles from Ashburn, Georgia). Using this methodology, 118 events were recorded in 2011, 100 in 2010, 79 in 2009, 78 in 2008 and 81 in 2007.

Georgia Forestry Commission Automated Weather Data
January 2010

21 cold
11/2 Hot.

24 Hours Midnight to Midnight
Day Temp Rain Rel-Hum KB- Wind-Spd Pre
Max Min Day Dur Max Min DI Avg Max Dir

1	51	40	0.02	2	100	56	24	4.4	21.0	315
2	48	28	0.00	0	89	28	25	4.1	20.0	315
3	46	25	0.00	0	72	22	25	3.7	11.7	315
4	44	24	0.00	0	60	23	25	5.2	17.4	315
5	41	23	0.00	0	74	26	25	6.0	20.7	315
6	46	17	0.00	0	89	20	25	3.8	15.7	270
7	56	20	0.00	0	96	15	26	3.3	14.2	225
8	48	28	0.09	3	96	36	29	6.5	20.0	315
9	38	23	0.00	0	73	35	29	4.5	15.7	315
10	40	21	0.00	0	84	33	29	3.8	15.3	315
11	47	16	0.00	0	95	21	29	3.4	15.3	270
12	54	23	0.00	0	87	32	30	4.7	18.9	270
13	54	21	0.00	0	98	33	32	2.2	10.3	90
14	59	25	0.00	0	99	33	34	1.7	11.0	90
15	69	31	0.00	0	98	43	40	3.2	15.7	90
16	65	53	1.33	20	98	68	37	7.9	19.6	90
17	63	51	0.01	1	98	69	6	11.2	31.4	270
18	64	43	0.00	0	99	48	10	5.0	19.2	270
19	67	38	0.00	0	100	50	16	3.1	13.9	270
20	67	41	0.35	5	100	62	22	3.5	11.7	90
21	70	55	3.24	12	99	82	7	7.2	26.4	225
22	71	51	0.00	0	98	45	15	5.7	13.9	270
23	56	48	0.00	0	96	77	23	9.5	19.6	90
24	72	55	0.12	2	92	82	32	11.2	31.4	180
25	59	48	0.03	2	98	34	40	8.9	23.2	270
26	60	38	0.00	0	87	26	43	7.6	30.0	270
27	59	30	0.00	0	100	31	47	2.8	12.8	90
28	65	30	0.00	0	100	22	52	1.9	8.9	0
29	66	40	0.09	1	97	51	57	5.5	16.7	90
30	63	45	1.21	9	99	75	6	8.1	26.0	315
31	44	34	0.00	0	96	76	10	4.6	14.2	45

Average High Temp 56.5
Average Low Temp 34.4
Rainfall Total 6.49

Georgia Forestry Commission Automated Weather Data
February 2010

24 Hours Midnight to Midnight										
Day	Temp		Rain		Rel-Hum		KB-	Wind-Spd		
	Max	Min	Day	Dur	Max	Min	DI	Avg	Max	Dir
1	56	32	0.00	0	100	66	11	5.0	16.0	45
2	55	43	0.12	7	100	74	13	4.3	14.9	315
3	62	36	0.00	0	100	39	16	3.0	14.2	45
4	60	47	0.00	0	87	70	20	9.9	26.7	90
5	64	55	1.19	8	99	74	5	10.2	25.7	225
6	55	41	0.00	0	86	56	6	10.1	25.7	270
7	53	36	0.00	0	97	45	7	4.1	15.3	0
8	61	30	0.00	0	100	41	10	3.3	12.4	90
9	62	41	0.28	3	96	70	6	6.8	26.7	135
10	47	29	0.00	0	71	32	11	7.9	23.5	315
11	45	31	0.00	0	76	44	11	4.0	12.4	315
12	40	32	0.88	17	100	75	0	3.8	24.6	90
13	47	30	0.02	1	97	45	0	5.1	20.0	315
14	59	28	0.00	0	100	37	2	4.7	16.7	225
15	48	35	0.29	5	94	55	3	6.0	22.1	270
16	46	32	0.01	1	74	38	2	6.5	18.9	270
17	52	26	0.00	0	96	35	2	5.0	21.7	270
18	58	26	0.00	0	97	25	4	4.4	19.6	270
19	63	29	0.00	0	99	25	8	2.5	13.5	135
20	68	31	0.00	0	100	17	13	2.1	11.7	90
21	75	33	0.00	0	99	25	21	4.1	16.7	135
22	69	54	0.66	4	98	67	11	4.4	16.0	135
23	60	44	0.00	0	99	55	18	4.0	14.6	315
24	47	37	0.03	2	93	58	22	4.5	15.3	315
25	50	30	0.00	0	84	21	22	5.7	20.0	315
26	58	27	0.00	0	97	22	23	3.8	20.7	270
27	55	35	0.00	0	94	28	26	3.8	18.2	315
28	63	30	0.00	0	98	26	29	4.9	21.0	270

Average High Temp 56.4
 Average Low Temp 35.0
 Rainfall Total 3.48

Georgia Forestry Commission Automated Weather Data
 March 2010

24 Hours Midnight to Midnight										
Day	Temp		Rain		Rel-Hum		KB-	Wind-Spd		
	Max	Min	Day	Dur	Max	Min	DI	Avg	Max	Dir
1	69	31	0.00	0	99	28	34	2.9	10.3	90
2	53	41	0.89	7	98	67	7	8.3	36.4	315
3	56	38	0.00	0	86	34	7	8.4	23.5	315
4	55	31	0.00	0	88	30	9	5.7	18.5	270
5	60	29	0.00	0	100	21	12	3.3	16.7	315

6	63	27	0.00	0	100	18	16	2.7	11.7	0
7	66	29	0.00	0	99	18	21	2.4	10.7	90
8	74	33	0.00	0	99	19	29	2.7	11.0	90
9	69	47	0.00	0	87	30	39	3.7	13.9	225
10	75	49	0.06	2	94	45	48	6.4	22.1	180
11	72	58	1.65	8	99	70	11	5.2	32.1	90
12	67	56	0.34	6	99	85	9	6.3	17.4	90
13	66	48	0.01	1	99	35	6	8.3	28.2	270
14	62	42	0.00	0	84	47	12	7.9	26.7	270
15	60	49	0.00	0	84	48	16	6.5	21.7	315
16	67	39	0.00	0	95	37	20	3.4	13.9	315
17	55	48	0.25	8	97	70	27	2.8	8.5	315
18	59	48	0.03	3	99	57	22	3.5	14.9	315
19	76	42	0.00	0	100	24	31	3.3	18.2	225
20	75	43	0.00	0	99	29	42	4.1	20.7	225
21	65	50	0.52	5	97	43	21	8.2	25.3	135
22	61	46	0.01	1	84	37	26	9.7	23.5	270
23	71	40	0.00	0	97	34	31	4.7	18.5	270
24	75	43	0.00	0	100	32	42	2.9	13.5	225
25	72	49	0.14	2	98	45	52	5.9	24.2	225
26	69	50	0.00	0	95	42	60	6.5	21.4	315
27	71	43	0.00	0	98	48	67	8.4	22.8	90
28	77	57	0.00	0	91	53	76	8.9	24.6	180
29	66	47	0.00	0	87	46	88	6.3	20.3	315
30	74	41	0.00	0	91	26	95	4.0	16.7	315
31	79	42	0.00	0	99	20	105	3.9	16.4	225

Average High Temp 67.1
Average Low Temp 43.1
Rainfall Total 3.90

Georgia Forestry Commission Automated Weather Data
April 2010

24 Hours Midnight to Midnight										
Day	Temp		Rain	Rel-Hum	KB-	Wind-Spd	Pre			
	Max	Min	Day Dur	Max Min	DI	Avg	Max Dir			
1	86	47	0.00	0	99	23 119	2.8 12.4	180		
2	87	48	0.00	0	99	21 137	3.3 14.6	180		
3	85	52	0.00	0	91	28 156	4.2 18.5	90		
4	87	51	0.00	0	98	26 172	2.8 13.9	90		
5	90	53	0.00	0	98	24 190	2.4 12.8	90		
6	87	57	0.00	0	99	36 210	4.4 16.4	180		
7	83	55	0.00	0	99	35 227	5.8 18.9	180		
8	79	64	1.04	5	96	56 240	7.3 25.0	180		
9	73	50	0.00	0	95	26 165	4.5 15.7	315		
10	76	44	0.00	0	100	23 173	3.6 14.6	90		
11	78	50	0.00	0	97	33 183	4.6 15.3	90		
12	80	48	0.00	0	99	24 193	5.2 22.8	90		

13	80	50	0.00	0	99	32	204	5.7	19.2	90
14	82	52	0.00	0	99	30	215	6.2	22.5	90
15	79	57	0.00	0	94	48	228	5.6	19.2	90
16	83	50	0.00	0	98	26	239	3.1	12.8	90
17	84	51	0.00	0	99	29	252	3.6	14.9	225
18	84	55	0.00	0	97	32	265	2.9	15.7	45
19	80	56	0.00	0	89	25	277	5.9	19.2	90
20	76	55	0.02	1	91	50	287	5.1	17.1	225
21	80	55	0.00	0	98	29	296	3.4	16.0	270
22	85	48	0.00	0	99	22	307	3.0	12.1	225
23	87	54	0.00	0	98	28	319	5.1	17.4	180
24	76	63	0.30	5	95	65	322	7.4	22.8	90
25	-99	-99	0.00	0	-99	-99	-99	-99.9	-99.9	-99
26	-99	-99	0.00	0	-99	-99	-99	-99.9	-99.9	-99
27	-99	-99	0.00	0	-99	-99	-99	-99.9	-99.9	-99
28	-99	-99	0.00	0	-99	-99	-99	-99.9	-99.9	-99
29	81	45	0.00	0	99	24	341	2.8	12.4	90
30	76	52	0.08	4	95	60	351	5.8	17.4	90

Average High Temp 81.7
Average Low Temp 52.4
Rainfall Total 1.44

Georgia Forestry Commission Automated Weather Data
May 2010

24 Hours Midnight to Midnight

Day	Temp	Rain	Rel-Hum	KB-	Wind-Spd	Pre
	Max Min	Day Dur	Max Min	DI	Avg Max Dir	
1	86 68	0.15	2 97	58 358	8.9 23.9	180
2	86 72	0.00	0 96	62 370	9.1 26.4	180
3	89 72	0.65	6 98	52 382	7.7 23.9	180
4	78 67	2.24	12 99	69 135	4.3 16.7	90
5	85 65	0.00	0 100	54 147	3.1 11.0	90
6	89 66	0.00	0 100	46 164	2.3 8.9	225
7	88 68	0.00	0 99	43 184	5.0 14.6	225
8	88 66	0.26	2 97	55 202	5.8 16.7	270
9	81 54	0.00	0 84	23 214	3.4 13.9	0
10	84 52	0.00	0 96	33 226	4.3 18.2	135
11	84 64	0.00	0 94	51 239	6.2 20.0	135
12	89 67	0.00	0 96	43 255	4.1 13.9	135
13	89 66	0.00	0 97	42 272	3.5 13.9	135
14	88 69	0.00	0 89	44 289	4.1 11.7	135
15	90 65	0.00	0 98	40 306	3.5 12.8	90
16	88 66	0.14	2 98	49 323	4.2 32.8	225
17	86 69	0.97	4 98	46 248	5.3 20.0	270
18	87 64	0.05	2 99	50 264	3.7 17.4	225
19	89 66	0.00	0 97	38 279	4.4 15.7	270
20	92 63	0.00	0 98	37 296	3.3 11.7	45

21	93	70	0.00	0	95	35	315	4.2	18.2	180
22	94	70	0.00	0	89	40	333	3.9	11.7	135
23	94	71	0.00	0	98	37	352	3.5	13.2	45
24	89	66	0.00	0	98	42	370	4.1	16.4	45
25	83	67	0.00	0	94	53	384	3.9	22.5	45
26	86	64	0.00	0	99	44	395	3.6	14.6	0
27	92	67	0.10	1	95	30	409	2.7	18.5	45
28	92	69	0.00	0	98	37	424	3.8	16.7	90
29	87	69	0.25	3	94	54	426	5.0	19.2	135
30	87	66	0.75	1	99	57	434	4.3	22.1	90
31	89	68	0.09	1	99	55	372	3.4	15.7	135

Average High Temp 87.8
Average Low Temp 66.3
Rainfall Total 5.65

Georgia Forestry Commission Automated Weather Data
June 2010

24 Hours Midnight to Midnight

Day	Temp	Rain	Rel-Hum	KB-	Wind-Spd	Pre
	Max Min	Day Dur	Max Min	DI	Avg Max Dir	

1	90	69	0.04	1	99	50	377	3.6	16.0	270
2	89	68	0.09	2	99	50	382	3.6	15.7	270
3	89	69	0.58	2	99	49	392	3.0	24.2	45
4	92	70	0.00	0	99	49	349	4.8	16.0	225
5	92	72	0.00	0	96	57	366	5.6	27.5	225
6	89	73	1.33	3	97	68	381	6.4	31.0	225
7	90	71	0.00	0	96	41	283	4.2	12.8	270
8	92	66	0.00	0	99	40	300	2.0	12.1	45
9	94	68	0.00	0	97	36	319	3.4	12.1	135
10	96	70	0.00	0	97	41	340	2.9	12.4	225
11	96	73	0.00	0	98	43	361	2.7	10.7	315
12	98	74	0.00	0	98	40	382	2.6	11.0	0
13	98	76	0.00	0	97	44	403	2.9	10.7	315
14	101	73	0.00	0	98	32	423	3.4	14.2	225
15	99	75	0.00	0	91	41	445	4.3	12.1	225
16	95	72	0.03	1	97	50	464	3.3	24.2	45
17	96	72	0.00	0	99	40	479	3.1	12.4	315
18	99	74	0.00	0	97	38	494	4.0	21.7	315
19	97	73	0.00	0	98	43	510	4.1	16.7	270
20	97	71	0.47	1	97	40	524	3.7	24.2	0
21	90	70	0.00	0	99	57	512	4.3	18.9	90
22	94	73	0.00	0	99	45	522	4.3	15.3	90
23	96	72	0.00	0	99	41	533	3.1	12.1	180
24	98	73	0.00	0	99	37	546	2.6	16.4	45
25	98	76	0.09	1	94	42	559	4.6	23.5	270
26	99	74	0.00	0	97	39	571	4.2	19.2	225
27	98	71	0.85	3	97	43	583	4.7	28.5	135

28	93	71	1.19	3	99	55	523	3.5	30.3	135
29	89	75	0.01	1	100	67	421	2.5	21.7	0
30	89	75	0.19	3	98	65	431	3.0	21.7	45

Average High Temp 94.4
 Average Low Temp 72.0
 Rainfall Total 4.87

Georgia Forestry Commission Automated Weather Data
 July 2010

24 Hours Midnight to Midnight

Day	Temp	Rain	Rel-Hum	KB-	Wind-Spd	Pre
Max Min	Day Dur	Max Min	DI	Avg	Max Dir	
1	84 73	0.00 0	98 72	422	4.0 16.0	90
2	87 73	0.00 0	98 56	432	7.6 22.5	90
3	87 66	0.00 0	83 40	442	7.6 21.0	90
4	86 71	0.00 0	86 52	452	6.6 20.7	90
5	89 71	0.00 0	92 58	462	6.5 20.3	90
6	93 71	0.78 1	98 48	473	5.1 22.8	90
7	93 71	0.00 0	99 33	431	3.3 16.4	90
8	98 67	0.00 0	99 25	448	2.6 11.4	180
9	97 74	1.12 2	95 44	465	5.6 36.4	225
10	95 75	0.20 3	97 50	394	4.3 20.0	270
11	95 75	0.00 0	98 53	393	4.7 17.8	225
12	90 76	1.14 3	97 69	411	4.1 14.6	225
13	92 76	0.30 2	97 59	335	5.4 16.4	225
14	97 74	1.64 3	97 48	327	4.7 16.0	225
15	96 73	0.03 1	99 51	194	3.8 30.3	180
16	91 73	0.00 0	99 58	219	4.6 20.0	180
17	91 73	0.04 2	98 55	240	4.6 24.2	180
18	95 73	0.00 0	99 45	257	3.1 11.0	180
19	96 72	0.00 0	98 41	281	3.3 14.6	45
20	97 75	0.00 0	98 43	306	3.4 12.8	45
21	96 75	0.00 0	98 45	330	2.9 9.2	180
22	98 74	0.00 0	98 43	352	2.9 11.4	180
23	97 74	0.00 0	94 46	375	3.3 13.2	135
24	95 73	0.00 0	95 50	395	5.1 16.0	135
25	97 76	0.00 0	97 48	413	3.8 17.8	225
26	98 75	0.00 0	98 41	432	4.0 14.9	225
27	96 77	0.00 0	97 44	451	4.1 13.9	270
28	98 75	0.00 0	93 39	467	4.3 13.9	315
29	99 74	0.00 0	94 37	484	4.0 14.9	315
30	102 76	0.00 0	94 35	501	3.4 12.4	270
31	102 76	0.07 4	95 37	520	4.4 23.2	45

Average High Temp 94.4

Average Low Temp 73.5
Rainfall Total 5.32

Georgia Forestry Commission Automated Weather Data
August 2010

24 Hours Midnight to Midnight

Day	Temp	Rain	Rel-Hum	KB-	Wind-Spd	Pre
	Max Min	Day Dur	Max Min	DI	Avg Max Dir	
1	96 75	0.01 1	98 55	537	4.7 30.3	135
2	97 75	0.00 0	97 51	549	4.4 16.0	90
3	99 76	0.87 1	97 38	561	4.0 24.2	90
4	95 75	0.08 3	99 50	511	3.6 20.0	180
5	95 75	0.00 0	99 47	518	3.8 13.2	225
6	95 76	0.00 0	97 48	530	5.2 21.0	225
7	96 76	0.08 3	97 55	542	3.8 22.5	225
8	93 74	0.00 0	100 56	553	3.9 15.3	90
9	94 75	0.00 0	98 42	562	4.4 19.2	90
10	92 76	0.00 0	96 51	572	6.4 17.8	90
11	93 76	0.25 2	96 48	581	7.9 20.0	90
12	91 76	0.01 1	97 63	584	5.6 18.2	180
13	89 77	0.40 4	98 72	554	4.0 20.7	225
14	91 78	0.39 2	98 66	523	4.7 19.6	225
15	91 77	0.12 5	99 65	533	3.3 12.8	270
16	91 77	0.29 1	99 62	542	4.8 15.7	90
17	96 75	0.00 0	99 47	532	3.5 12.1	180
18	95 76	0.01 1	98 51	544	3.7 18.5	180
19	91 75	0.50 3	99 64	535	3.9 22.8	225
20	93 77	0.00 0	99 59	534	4.6 27.1	225
21	96 77	0.00 0	98 46	545	5.0 21.7	225
22	96 75	0.53 3	98 52	557	4.5 27.5	315
23	94 75	0.01 1	99 52	536	3.1 9.9	180
24	96 75	0.00 0	98 41	547	4.0 15.7	180
25	96 75	0.00 0	98 44	559	3.5 10.3	315
26	94 74	0.00 0	99 52	570	4.2 17.8	180
27	86 71	0.99 3	99 71	503	4.0 21.4	90
28	85 72	0.64 2	99 65	510	5.4 21.4	90
29	86 73	0.00 0	99 55	475	7.8 21.0	90
30	86 73	0.00 0	88 56	484	6.9 18.9	90
31	88 73	0.00 0	94 54	492	5.7 18.2	90

Average High Temp 92.8
Average Low Temp 75.2
Rainfall Total 5.18

Georgia Forestry Commission Automated Weather Data
September 2010

24 Hours Midnight to Midnight

Day	Temp	Rain	Rel-Hum	KB-	Wind-Spd	Pre
Max Min	Day Dur	Max Min	DI	Avg	Max Dir	
①	90 68	0.00 0	99 45	501	4.8 23.2	90
2	91 66	0.00 0	98 31	511	3.1 13.2	90
③	95 62	0.00 0	98 28	522	3.0 12.4	225
④	91 70	0.00 0	96 50	534	3.0 10.7	315
5	91 65	0.00 0	91 24	544	3.2 11.0	90
⑥	94 65	0.00 0	98 43	554	2.4 10.3	45
⑦	93 71	0.00 0	98 42	564	4.9 16.7	90
⑧	94 69	0.00 0	98 38	573	3.0 13.5	45
⑨	96 68	0.00 0	98 35	583	2.4 12.1	225
⑩	97 71	0.00 0	98 35	593	2.6 13.2	225
⑪	97 73	0.00 0	97 33	603	4.4 14.2	225
⑫	98 75	0.00 0	95 36	612	4.0 12.8	315
⑬	93 68	0.00 0	90 36	621	3.9 13.9	45
⑭	91 71	0.00 0	97 33	628	4.8 16.0	90
15	90 61	0.00 0	97 30	634	4.7 17.1	90
16	91 62	0.00 0	97 32	640	3.2 18.2	45
⑰	94 65	0.00 0	97 35	646	3.3 18.5	45
⑱	95 69	0.00 0	91 36	653	3.9 18.5	90
⑲	94 67	0.00 0	95 33	659	3.3 18.2	90
⑳	98 63	0.00 0	97 25	665	2.8 14.6	90
㉑	95 67	0.00 0	95 30	672	4.2 18.5	90
㉒	92 68	0.00 0	96 34	678	5.4 19.6	135
㉓	93 64	0.00 0	96 34	683	5.4 22.1	90
㉔	93 71	0.00 0	93 39	687	4.2 22.8	90
㉕	92 71	0.00 0	97 44	691	3.4 15.3	180
26	84 69	0.04 4	97 55	695	4.3 17.8	180
27	79 65	0.83 9	98 70	632	3.8 13.9	180
28	82 57	0.01 1	99 39	634	2.7 14.2	45
29	83 58	0.00 0	98 54	638	4.1 18.5	45
30	83 64	0.00 0	94 46	642	4.7 16.7	315

Average High Temp 91.6
Average Low Temp 66.8
Rainfall Total 0.88

Georgia Forestry Commission Automated Weather Data
October 2010

24 Hours Midnight to Midnight

Day	Temp	Rain	Rel-Hum	KB-	Wind-Spd	Pre
-----	------	------	---------	-----	----------	-----

	Max	Min	Day	Dur	Max	Min	DI	Avg	Max	Dir
1	85	54	0.00	0	97	32	646	2.9	12.8	45
2	82	56	0.00	0	98	34	650	2.9	15.3	45
3	82	53	0.00	0	98	26	653	3.7	16.0	315
4	74	45	0.00	0	92	37	656	3.7	15.3	0
5	74	43	0.00	0	95	30	658	3.6	23.5	45
6	78	42	0.00	0	98	19	660	3.0	13.5	45
7	86	42	0.00	0	96	17	663	2.9	17.4	315
8	88	48	0.00	0	95	23	667	2.5	15.7	90
9	89	51	0.00	0	97	23	671	2.6	12.8	315
10	90	52	0.00	0	97	23	675	2.4	13.9	45
11	86	64	0.00	0	99	30	679	4.3	23.5	225
12	85	56	0.00	0	97	34	682	4.1	18.5	225
13	85	59	0.00	0	98	38	685	3.1	14.9	315
14	82	55	0.00	0	97	37	688	3.8	20.7	315
15	80	40	0.00	0	96	19	690	3.3	19.6	180
16	81	41	0.00	0	97	19	692	2.9	16.7	90
17	86	41	0.00	0	97	14	694	2.1	12.4	225
18	83	48	0.00	0	97	26	697	2.7	20.0	225
19	85	51	0.00	0	97	27	699	3.1	13.2	225
20	84	59	0.00	0	97	40	702	4.0	15.3	225
21	84	48	0.00	0	97	20	704	2.6	15.3	90
22	85	44	0.00	0	95	13	706	2.7	13.9	45
23	85	50	0.00	0	98	28	708	5.1	17.4	90
24	86	55	0.00	0	98	42	710	5.0	14.9	90
25	84	64	0.00	0	94	55	712	6.1	20.0	180
26	88	74	0.00	0	94	55	714	9.2	25.3	180
27	89	72	0.00	0	98	51	717	7.2	19.6	180
28	81	62	0.80	3	96	77	664	4.8	13.5	225
29	76	50	0.00	0	95	29	663	3.2	16.0	0
30	80	44	0.00	0	100	22	665	2.7	13.9	90
31	79	49	0.00	0	99	43	668	2.8	17.4	45

Average High Temp 83.3
 Average Low Temp 52.0
 Rainfall Total 0.80

Georgia Forestry Commission Automated Weather Data
 November 2010

24 Hours Midnight to Midnight										
Day	Temp	Rain	Rel-Hum	KB-	Wind-Spd	Pre				
	Max Min	Day Dur	Max Min	DI	Avg	Max Dir				
1	83 53	0.00 0	98 39	671	2.3 10.7	90				
2	73 53	0.06 3	95 59	674	6.1 21.0	90				
3	67 57	0.15 4	97 70	676	4.8 15.7	45				
4	65 52	0.03 3	99 51	673	4.5 17.4	315				

5	59	39	0.00	0	92	33	674	5.7	25.7	270
6	58	32	0.00	0	98	26	675	3.3	19.2	315
7	62	29	0.00	0	99	26	676	3.0	15.3	45
8	71	30	0.00	0	99	20	677	2.4	16.0	0
9	80	35	0.00	0	97	20	679	2.1	13.9	180
10	81	36	0.00	0	98	19	681	1.9	11.0	45
11	79	40	0.00	0	98	24	683	2.9	16.7	45
12	74	41	0.00	0	98	21	685	2.9	18.5	45
13	76	33	0.00	0	99	15	687	2.0	12.8	45
14	77	33	0.00	0	97	17	689	2.6	14.2	90
15	74	46	0.46	3	99	52	691	5.2	18.2	90
16	75	62	1.47	10	99	56	522	9.0	25.0	225
17	67	42	0.00	0	98	36	526	3.9	14.6	0
18	70	36	0.00	0	99	33	528	2.2	10.7	0
19	72	39	0.00	0	100	32	531	2.1	12.4	90
20	78	44	0.00	0	99	35	535	2.5	12.8	90
21	79	49	0.00	0	99	36	540	3.1	12.4	90
22	80	55	0.00	0	98	45	545	3.7	14.9	90
23	80	53	0.00	0	99	48	550	3.2	15.3	90
24	79	62	0.00	0	99	65	555	2.5	8.9	90
25	79	59	0.01	1	99	57	559	5.4	15.7	180
26	81	54	0.81	6	98	58	512	5.7	20.0	180
27	58	37	0.00	0	98	35	508	4.0	13.5	315
28	64	30	0.01	1	100	40	509	3.9	15.3	90
29	70	53	0.10	3	96	73	504	7.3	17.1	90
30	78	54	0.36	4	98	70	506	9.8	30.3	180

Average High Temp 73.0
Average Low Temp 44.6
Rainfall Total 3.46

Georgia Forestry Commission Automated Weather Data
December 2010

24 Hours Midnight to Midnight

Day	Temp	Rain	Rel-Hum	KB-	Wind-Spd	Pre
	Max Min	Day Dur	Max Min	DI	Avg Max Dir	
1	53 35	0.15	2	95	32 461	7.1 24.6 315
2	57 30	0.00	0	99	21 462	2.5 17.8 270
3	66 30	0.00	0	99	31 464	3.2 16.7 270
4	69 38	0.00	0	99	44 467	6.5 25.7 225
5	62 37	0.00	0	88	41 470	6.6 20.0 315
6	49 28	0.00	0	85	27 471	5.5 21.7 315
7	50 27	0.00	0	86	25 471	4.8 20.3 270
8	41 <u>23</u>	0.00	0	94	37 471	2.6 11.0 0
9	52 <u>21</u>	0.00	0	96	28 471	2.7 13.9 90
10	60 <u>23</u>	0.00	0	95	20 472	2.3 10.7 45
11	65 30	0.00	0	94	33 474	2.5 11.0 90
12	58 35	0.37	3	98	40 459	11.9 30.7 315

13	40	29	0.00	0	54	30	459	9.8	25.7	315
14	44	19	0.00	0	78	17	459	4.1	17.1	315
15	44	22	0.00	0	92	20	459	2.6	8.9	90
16	64	42	0.00	0	93	54	461	9.1	23.9	180
17	68	55	0.05	3	99	74	463	3.0	15.3	225
18	53	45	0.23	7	98	94	464	4.2	11.4	0
19	55	33	0.00	0	96	43	459	3.7	17.1	0
20	60	27	0.00	0	98	28	460	2.0	7.4	90
21	69	32	0.00	0	99	49	462	4.2	19.2	225
22	74	55	0.00	0	93	50	465	7.0	20.0	270
23	54	33	0.00	0	94	38	469	4.2	14.6	0
24	58	27	0.00	0	98	29	470	2.2	11.0	45
25	57	30	0.14	6	97	43	471	3.5	17.8	90
26	38	31	0.03	2	95	50	472	9.2	26.0	315
27	47	24	0.00	0	89	34	472	5.7	16.7	270
28	54	19	0.00	0	94	22	472	2.8	15.3	270
29	61	25	0.00	0	96	30	473	1.9	6.7	90
30	68	29	0.00	0	98	43	475	4.4	14.9	90
31	76	48	0.00	0	96	42	479	6.3	20.3	90

Average High Temp 57.0
 Average Low Temp 31.7
 Rainfall Total 0.97

Georgia Forestry Commission Automated Weather Data
January 2011

24 Hours Midnight to Midnight

Day	Temp		Rain	Rel-Hum	KB-	Wind-Spd	Pre
	Max	Min	Day Dur	Max Min	DI	Avg Max Dir	
1	72	56	0.79	6	97	55 484	8.3 27.1 180
2	64	38	0.08	5	99	49 421	5.2 16.0 315
3	59	28	0.00	0	98	31 423	2.3 10.3 0
4	61	33	0.00	0	99	31 425	2.7 10.7 270
5	54	39	0.70	4	99	89 380	3.7 14.2 180
6	57	45	0.01	1	99	42 377	6.1 20.3 270
7	63	34	0.00	0	94	32 379	10.1 31.8 225
8	56	36	0.00	0	81	26 381	6.0 22.8 270
9	43	30	0.00	0	86	33 382	7.8 26.7 90
10	38	32	0.42	8	99	54 360	7.0 23.2 45
11	40	35	0.00	0	99	78 360	4.9 14.9 315
12	42	28	0.00	0	80	35 360	6.3 20.7 315
13	43	21	0.00	0	91	35 360	3.3 13.2 0
14	53	18	0.00	0	96	23 360	2.3 11.0 45
15	56	21	0.00	0	95	22 361	2.4 15.3 90
16	60	26	0.00	0	97	38 363	2.1 12.1 90
17	49	32	0.45	12	99	83 361	2.8 9.9 0
18	65	45	0.00	0	100	63 342	3.3 13.2 225
19	59	40	0.49	4	100	64 297	3.2 14.9 315
20	59	34	0.00	0	100	69 299	2.3 8.2 90
21	52	30	0.09	3	100	27 301	4.0 16.4 0
22	49	25	0.00	0	93	29 302	4.2 18.9 315
23	55	21	0.00	0	97	26 303	2.4 11.7 90
24	62	26	0.00	0	96	26 305	3.4 17.1 90
25	59	46	0.67	9	100	75 262	4.2 16.4 90
26	61	36	0.01	1	99	46 263	9.5 29.6 270
27	54	29	0.00	0	99	41 265	3.5 17.8 225
28	67	34	0.00	0	99	30 268	6.5 23.5 225
29	71	35	0.00	0	99	29 273	2.9 14.6 225
30	68	42	0.01	1	100	51 279	3.4 14.9 270
31	60	50	0.14	5	99	77 284	3.7 12.1 90

7 cold
124 Hot

Average High Temp 56.5
Average Low Temp 33.7
Rainfall Total 3.86

Georgia Forestry Commission Automated Weather Data
February 2011

24 Hours Midnight to Midnight

Day	Temp		Rain	Rel-Hum	KB-	Wind-Spd			Pre
	Max	Min	Day Dur	Max Min	DI	Avg	Max	Dir	
1	71	52	0.12	3	98	66	287	8.9	23.9 90
2	68	43	0.61	3	97	48	240	6.7	21.7 315
3	51	39	0.41	5	98	46	242	4.8	13.2 45
4	45	41	0.76	11	100	96	198	6.5	15.7 90
5	56	41	0.21	4	100	77	128	6.8	22.1 270
6	60	32	0.00	0	100	38	128	1.9	10.7 0
7	53	39	0.78	8	100	73	73	5.1	25.0 90
8	53	33	0.00	0	97	35	55	5.6	18.5 315
9	50	29	0.00	0	99	43	57	2.6	8.9 0
10	45	35	0.16	5	100	67	58	3.8	13.9 0
11	53	35	0.00	0	99	42	58	3.7	12.8 270
12	61	27	0.00	0	92	23	60	3.3	16.0 315
13	65	29	0.00	0	98	24	64	2.6	14.2 180
14	68	32	0.00	0	98	31	69	5.3	21.7 270
15	70	35	0.00	0	100	22	75	3.5	15.7 90
16	73	40	0.00	0	99	38	83	3.7	13.2 90
17	75	44	0.00	0	100	40	92	3.5	15.7 135
18	76	41	0.00	0	100	43	102	2.6	15.3 270
19	79	46	0.00	0	100	43	113	1.7	13.5 45
20	78	48	0.00	0	99	43	126	4.9	19.2 90
21	80	52	0.00	0	100	40	138	6.9	29.6 225
22	79	59	0.00	0	99	49	150	7.5	20.0 270
23	76	48	0.00	0	97	21	161	3.2	13.5 90
24	77	48	0.00	0	96	50	171	6.4	18.2 135
25	80	56	0.76	2	99	38	126	6.7	22.1 225
26	80	47	0.00	0	100	21	139	3.3	12.4 45
27	80	51	0.00	0	100	50	151	4.6	17.8 180
28	82	54	0.18	2	100	46	163	8.2	31.4 225

Average High Temp 67.3
Average Low Temp 42.0
Rainfall Total 3.99

Georgia Forestry Commission Automated Weather Data
March 2011

24 Hours Midnight to Midnight

Day	Temp		Rain	Rel-Hum	KB-	Wind-Spd			Pre
	Max	Min	Day Dur	Max Min	DI	Avg	Max	Dir	
1	71	52	0.24	3	100	53	155	4.8	16.4 90
2	70	42	0.00	0	100	29	162	4.3	18.2 90
3	75	47	0.00	0	94	27	169	9.0	23.5 90
4	68	55	0.00	0	86	64	178	11.6	22.1 90
5	72	59	0.03	1	88	60	184	7.1	19.2 135

6	68	46	0.25	6	98	60	183	7.9	25.7	315
7	58	38	0.00	0	89	47	185	4.1	12.8	45
8	76	41	0.00	0	100	33	191	7.2	21.4	90
9	74	59	1.36	9	100	70	200	8.7	28.5	135
10	61	48	0.15	3	100	45	78	8.0	24.6	315
11	63	41	0.00	0	88	25	81	6.1	22.8	315
12	73	34	0.00	0	100	23	87	3.8	13.9	225
13	76	41	0.00	0	100	29	95	3.6	14.6	225
14	75	47	0.00	0	100	41	106	4.9	21.4	225
15	77	49	0.00	0	100	53	116	6.4	24.2	225
16	75	50	0.00	0	100	31	127	4.4	16.7	270
17	81	41	0.00	0	100	26	137	2.2	12.1	45
18	84	45	0.00	0	99	24	150	3.1	13.9	225
19	87	49	0.00	0	97	33	166	2.3	12.1	225
20	84	57	0.00	0	100	43	184	5.5	17.1	90
21	84	55	0.00	0	100	34	198	4.5	17.1	225
22	86	56	0.00	0	100	24	212	4.9	14.6	270
23	84	63	0.00	0	97	36	227	10.8	27.1	225
24	83	56	0.00	0	93	11	241	9.7	27.8	270
25	78	44	0.00	0	86	21	254	3.7	19.2	45
26	76	52	0.13	3	98	72	263	4.2	13.5	225
27	82	67	0.31	4	99	57	274	6.4	30.0	225
28	70	52	0.08	2	100	76	253	5.5	13.9	45
29	61	51	0.00	0	99	82	258	6.6	14.6	90
30	65	59	1.38	7	100	95	144	4.0	12.4	90
31	67	52	0.07	3	100	53	142	3.6	17.4	270

Average High Temp 74.3

Average Low Temp 49.9

Rainfall Total 4.00

Georgia Forestry Commission Automated Weather Data
April 2011

24 Hours Midnight to Midnight

Day	Temp		Rain	Rel-Hum		KB-	Wind-Spd		Pre
	Max	Min	Day Dur	Max	Min	DI	Avg	Max	Dir
1	75	43	0.00	0	100	26	149	6.0	26.4 270
2	78	51	0.00	0	99	35	158	3.1	19.6 270
3	83	46	0.00	0	100	25	169	3.8	16.0 180
4	84	52	0.00	0	91	53	184	8.8	25.3 180
5	76	46	0.76	4	98	30	144	8.0	51.4 315
6	73	39	0.00	0	100	24	150	3.5	17.1 90
7	80	44	0.00	0	100	43	159	3.1	17.1 45
8	88	61	0.00	0	100	50	174	5.4	17.4 225
9	89	69	0.00	0	99	43	193	5.1	17.4 270
10	89	60	0.00	0	100	36	212	3.8	20.3 225
11	88	59	0.00	0	100	39	230	5.9	22.8 225
12	79	56	0.04	2	94	30	247	6.1	22.8 315

13	82	47	0.00	0	100	21	257	2.9	13.9	315
14	83	49	0.00	0	99	27	269	3.0	14.9	90
15	84	55	0.00	0	92	39	281	8.0	24.2	180
16	80	62	0.04	2	98	22	293	10.1	30.0	270
17	77	49	0.00	0	90	23	303	3.0	12.1	0
18	85	46	0.00	0	100	29	313	4.2	16.4	180
19	88	54	0.00	0	100	31	325	3.8	17.1	225
20	88	65	0.00	0	100	41	339	4.2	13.5	225
21	91	63	0.00	0	100	36	353	2.8	14.6	225
22	89	65	0.00	0	100	38	369	4.2	19.6	180
23	89	62	0.00	0	100	39	383	5.0	17.4	225
24	90	61	0.01	1	100	41	396	3.5	13.9	90
25	87	67	0.00	0	94	46	410	5.2	17.4	180
26	89	64	0.00	0	100	43	421	5.8	17.8	180
27	89	68	0.00	0	100	46	433	10.3	31.8	225
28	79	61	0.29	5	99	64	436	5.7	20.3	315
29	82	49	0.00	0	100	24	442	2.8	16.4	45
30	87	51	0.00	0	100	23	450	3.3	18.2	90

Average High Temp 84.0
Average Low Temp 55.5
Rainfall Total 1.14

Georgia Forestry Commission Automated Weather Data
May 2011

24 Hours Midnight to Midnight

Day	Temp	Rain	Rel-Hum	KB-	Wind-Spd	Pre
	Max Min	Day Dur	Max Min	DI	Avg Max Dir	
1	87 57	0.00 0	99 32	460	5.2 19.2	180
2	87 62	0.00 0	97 39	469	4.7 14.2	135
3	89 66	0.00 0	93 46	479	7.8 19.2	225
4	77 56	0.00 0	86 21	489	6.0 21.4	0
5	78 47	0.00 0	77 24	494	4.2 17.4	90
6	82 57	0.00 0	93 24	499	3.9 21.0	315
7	86 48	0.00 0	98 25	505	2.9 16.0	315
8	88 54	0.00 0	99 37	513	4.5 18.9	315
9	93 65	0.00 0	100 34	522	3.2 17.4	270
10	96 66	0.00 0	100 33	533	3.7 13.9	270
11	95 67	0.00 0	97 31	545	3.7 17.4	270
12	95 62	0.00 0	98 26	556	4.0 17.1	270
13	90 64	0.00 0	99 30	567	6.1 21.7	270
14	85 64	0.25 5	100 49	573	5.9 22.8	225
15	74 57	0.00 0	98 40	576	6.1 22.5	315
16	73 53	0.00 0	95 35	579	6.5 24.6	315
17	75 49	0.00 0	100 28	582	5.7 25.3	315
18	79 43	0.00 0	100 23	585	2.5 20.0	270
19	89 49	0.00 0	99 18	590	2.2 13.9	315
20	94 54	0.00 0	99 21	597	3.1 20.3	90

21	95	58	0.00	0	94	20	605	4.4	14.6	225
22	97	63	0.00	0	100	23	614	3.8	18.2	270
23	96	61	0.00	0	100	27	623	4.7	19.6	270
24	95	65	0.00	0	91	34	631	5.0	18.9	270
25	95	66	0.00	0	99	27	639	5.0	18.2	225
26	93	67	0.15	2	100	34	646	5.4	26.4	225
27	89	69	0.01	1	100	45	652	6.6	41.0	225
28	94	74	0.00	0	99	33	657	4.1	13.2	225
29	96	69	0.00	0	100	35	663	4.3	15.3	135
30	95	70	0.00	0	93	31	669	5.6	20.3	135
31	96	68	0.00	0	96	33	675	3.6	14.9	45

Average High Temp 88.8
Average Low Temp 60.3
Rainfall Total 0.41

Georgia Forestry Commission Automated Weather Data
June 2011

24 Hours Midnight to Midnight

Day	Temp	Rain	Rel-Hum	KB-	Wind-Spd	Pre
	Max Min	Day Dur	Max Min	DI	Avg Max Dir	

1	101	70	0.00	0	95	27	682	5.8	20.7	90
2	98	69	0.00	0	98	30	689	3.9	18.5	135
3	102	70	0.07	1	91	26	695	4.7	36.4	90
4	96	71	0.19	3	99	43	702	3.8	23.2	225
5	98	71	0.00	0	100	28	701	2.9	11.7	315
6	101	72	0.01	1	95	26	706	4.9	34.6	315
7	94	75	0.00	0	93	34	712	6.5	17.4	135
8	95	68	0.00	0	94	28	716	5.2	18.2	135
9	95	66	0.00	0	90	33	720	4.3	15.7	180
10	98	69	0.00	0	95	28	723	3.8	15.3	135
11	99	69	0.00	0	88	20	727	3.9	20.3	90
12	100	71	0.00	0	99	22	731	5.3	19.6	270
13	102	71	0.00	0	92	20	735	5.1	22.8	315
14	99	73	0.00	0	96	29	739	4.6	18.2	0
15	102	68	0.04	2	96	25	742	4.8	26.7	315
16	95	69	0.00	0	89	41	746	7.8	24.6	270
17	98	69	0.42	4	100	34	748	5.0	27.5	270
18	96	69	0.01	1	100	42	729	5.7	17.4	270
19	97	74	0.00	0	99	35	732	6.8	18.9	270
20	97	74	0.00	0	100	38	735	5.4	18.9	270
21	100	74	0.00	0	99	30	738	5.3	18.2	270
22	99	75	0.12	1	99	33	741	3.8	21.4	270
23	94	73	0.27	1	100	46	744	4.1	27.5	270
24	91	74	0.02	1	100	49	726	2.4	16.7	315
25	94	73	0.00	0	97	38	729	1.8	9.9	270
26	98	71	0.49	4	100	33	732	2.3	27.8	270
27	89	69	0.00	0	100	60	708	3.2	13.5	180

30

28	96	69	1.72	4	100	37	712	3.4	39.6	180
29	92	72	0.00	0	100	42	571	2.2	19.6	315
30	95	72	0.15	1	100	49	580	2.5	24.2	180

Average High Temp 97.0
 Average Low Temp 71.0
 Rainfall Total 3.51

Georgia Forestry Commission Automated Weather Data
 July 2011

24 Hours Midnight to Midnight

Day	Temp	Rain	Rel-Hum	KB-	Wind-Spd	Pre
	Max Min	Day Dur	Max Min	DI	Avg Max Dir	

1	96	71	0.00	0	100	35	589	1.3	12.1	180
2	96	71	0.00	0	100	39	598	2.0	26.0	90
3	95	71	0.00	0	100	39	607	1.3	11.7	180
4	95	73	0.00	0	100	39	616	1.1	12.1	0
5	96	72	0.00	0	97	38	624	1.3	15.3	270
6	97	73	0.00	0	100	30	632	1.3	16.4	315
7	96	75	0.00	0	98	38	640	1.3	16.0	180
8	91	75	0.00	0	97	57	648	1.7	16.0	225
9	93	75	0.00	0	100	56	654	0.8	15.3	225
10	95	75	0.00	0	100	52	660	1.2	23.9	315
11	95	74	0.00	0	100	51	666	1.0	18.5	270
12	94	77	0.07	1	100	52	673	2.4	13.9	270
13	97	76	0.12	1	100	47	679	1.0	14.6	225
14	96	75	0.28	4	100	51	685	0.9	27.8	225
15	88	74	0.20	6	100	69	653	3.5	14.2	135
16	79	72	1.76	11	100	80	485	4.5	18.2	135
17	88	73	0.02	2	100	50	484	3.4	20.7	135
18	91	69	0.00	0	100	42	494	3.5	15.7	90
19	93	69	0.00	0	100	48	505	2.8	14.9	270
20	95	76	0.00	0	96	49	516	5.7	20.0	270
21	96	74	0.00	0	100	45	528	4.1	13.9	225
22	95	75	0.00	0	100	46	540	3.6	25.7	270
23	93	75	0.00	0	100	54	552	3.2	23.5	225
24	94	73	0.00	0	100	49	562	2.0	17.8	270
25	91	74	0.04	1	100	55	572	1.4	14.9	270
26	90	76	0.07	4	99	63	580	1.0	14.9	270
27	86	74	0.58	3	100	73	539	0.6	14.2	225
28	89	74	0.00	0	100	60	548	2.4	22.8	180
29	96	72	0.00	0	100	47	558	0.7	12.4	315
30	96	73	0.00	0	100	48	569	0.3	12.1	315
31	98	75	0.15	1	99	45	580	0.9	13.5	315

Average High Temp 93.2

Average Low Temp 73.6
Rainfall Total 3.29

Georgia Forestry Commission Automated Weather Data
August 2011

24 Hours Midnight to Midnight
Day Temp Rain Rel-Hum KB- Wind-Spd Pre
Max Min Day Dur Max Min DI Avg Max Dir

1	91	76	0.18	4	100	67	579	3.1	15.7	0
2	96	75	0.00	0	100	55	587	1.1	9.6	270
3	99	76	0.00	0	99	39	597	1.4	11.4	270
4	99	76	0.00	0	98	43	608	1.8	17.8	270
5	99	76	0.00	0	99	42	619	1.1	15.7	90
6	97	75	0.00	0	97	47	629	2.2	21.4	315
7	95	75	0.03	1	98	53	638	0.9	17.1	270
8	95	75	0.09	5	99	51	645	1.3	15.7	270
9	95	74	0.60	3	100	55	652	1.3	16.7	315
10	94	73	0.00	0	100	48	609	1.0	15.3	315
11	96	73	0.00	0	98	48	617	0.6	21.4	315
12	96	74	0.00	0	98	43	625	0.9	12.4	315
13	97	74	0.00	0	97	45	633	0.5	15.7	225
14	93	75	0.00	0	97	52	641	1.4	18.2	270
15	92	70	0.00	0	98	36	647	1.0	15.3	315
16	93	63	0.00	0	97	37	653	0.3	13.5	90
17	96	64	0.00	0	96	30	659	0.2	11.0	90
18	95	72	0.00	0	96	38	666	0.4	13.2	90
19	97	71	0.00	0	99	35	672	0.8	13.9	90
20	96	74	0.05	1	97	43	678	0.8	11.7	225
21	96	75	0.00	0	98	45	684	1.0	23.5	180
22	96	74	0.40	2	98	49	690	0.9	46.1	270
23	97	73	0.00	0	99	40	676	0.8	15.7	45
24	95	74	0.00	0	94	37	682	2.1	15.3	135
25	96	71	0.00	0	97	39	687	1.0	14.2	90
26	99	72	0.12	1	98	35	692	0.6	33.9	0
27	98	73	0.00	0	96	28	698	3.3	20.7	315
28	98	64	0.00	0	95	21	703	2.5	19.2	315
29	100	64	0.00	0	94	23	708	1.7	15.7	270
30	98	67	0.00	0	94	34	713	1.1	17.4	90
31	96	76	0.00	0	95	41	718	4.0	22.5	135

Average High Temp 96.1
Average Low Temp 72.4
Rainfall Total 1.47

Georgia Forestry Commission Automated Weather Data
September 2011

24 Hours Midnight to Midnight

Day	Temp	Rain	Rel-Hum	KB-	Wind-Spd	Pre
Max Min	Day Dur	Max Min	DI	Avg	Max Dir	
1	96 75	0.00 0	98 30	722	5.2 24.2	135
2	94 65	0.00 0	96 27	725	2.8 21.4	135
3	93 68	0.00 0	87 37	728	3.9 19.2	135
4	80 73	1.22 8	99 71	731	1.7 26.7	135
5	90 73	0.56 7	100 66	623	5.5 33.9	180
6	79 63	0.00 0	91 53	586	4.2 22.8	270
7	75 56	0.00 0	97 57	590	0.6 16.0	315
8	80 59	0.00 0	98 49	593	1.4 10.3	225
9	86 58	0.00 0	99 35	598	0.1 8.9	225
10	89 58	0.00 0	98 29	603	0.1 10.3	0
11	90 58	0.00 0	97 31	609	0.4 12.4	45
12	91 59	0.00 0	98 34	615	1.2 13.5	225
13	92 62	0.00 0	98 36	622	0.3 11.4	270
14	93 64	0.00 0	98 33	628	0.1 9.9	315
15	93 66	0.18 3	98 42	635	2.1 16.4	270
16	87 63	0.00 0	98 60	641	1.9 13.2	315
17	79 66	0.00 0	82 63	645	3.7 12.8	90
18	76 64	0.00 0	90 65	648	4.1 16.7	90
19	87 62	0.00 0	94 52	652	2.7 14.2	90
20	89 72	0.09 2	96 56	656	4.8 16.4	135
21	90 71	0.02 2	100 62	661	2.9 12.4	135
22	85 71	0.02 2	99 70	665	2.6 11.0	135
23	89 71	0.00 0	100 49	669	1.9 13.2	315
24	91 69	0.00 0	99 44	673	0.9 13.9	315
25	93 67	0.00 0	96 45	678	1.0 13.5	135
26	94 71	0.00 0	98 42	683	2.3 21.0	135
27	93 71	0.00 0	99 41	688	0.6 13.5	270
28	81 64	0.00 0	97 53	693	1.5 17.1	270
29	88 63	0.00 0	99 37	696	2.2 13.2	315
30	89 58	0.00 0	97 32	699	2.9 20.3	315

Average High Temp 87.7
Average Low Temp 65.3
Rainfall Total 2.09

Georgia Forestry Commission Automated Weather Data
October 2011

24 Hours Midnight to Midnight

Day	Temp	Rain	Rel-Hum	KB-	Wind-Spd	Pre
-----	------	------	---------	-----	----------	-----

	Max	Min	Day	Dur	Max	Min	DI	Avg	Max	Dir
1	77	51	0.00	0	81	23	702	3.5	19.6	0
2	77	43	0.00	0	84	25	704	2.8	15.3	315
3	82	40	0.00	0	93	16	705	2.0	13.5	90
4	86	43	0.00	0	88	17	707	0.8	13.5	45
5	84	48	0.00	0	89	30	709	4.2	20.7	90
6	85	52	0.00	0	96	36	711	4.5	23.9	90
7	86	60	0.00	0	87	37	713	7.5	31.0	90
8	82	65	0.00	0	89	49	715	10.1	30.0	90
9	72	63	0.07	5	93	60	717	8.0	22.1	90
10	74	67	0.88	12	99	88	717	8.1	22.8	90
11	73	66	0.78	15	100	99	593	4.6	15.3	90
12	72	64	0.02	2	100	87	569	2.3	10.3	0
13	83	61	0.65	2	100	54	573	3.4	17.4	225
14	82	55	0.01	1	100	27	533	1.8	16.4	315
15	88	51	0.00	0	99	24	540	0.3	11.0	225
16	87	53	0.00	0	99	27	548	0.4	9.9	90
17	88	55	0.00	0	98	33	555	0.2	8.9	90
18	76	60	0.78	8	100	87	562	3.1	14.6	135
19	71	51	0.04	1	100	48	504	8.0	22.5	315
20	65	42	0.00	0	90	35	506	6.3	26.0	270
21	68	38	0.00	0	97	30	508	2.4	17.4	315
22	71	37	0.00	0	97	33	511	1.6	12.1	45
23	73	41	0.00	0	98	37	514	0.5	11.4	45
24	78	44	0.00	0	98	37	518	0.5	10.7	0
25	81	46	0.00	0	99	30	523	0.6	13.2	45
26	82	48	0.00	0	98	34	528	1.6	15.3	90
27	81	56	0.00	0	95	36	534	1.8	17.4	315
28	81	54	0.00	0	98	47	539	2.5	14.6	45
29	67	49	0.00	0	95	24	544	5.2	18.2	0
30	67	37	0.00	0	92	27	546	5.1	24.2	45
31	72	51	0.00	0	86	53	548	3.4	12.1	45

Average High Temp 77.8
 Average Low Temp 51.3
 Rainfall Total 3.23

Georgia Forestry Commission Automated Weather Data
 November 2011

24 Hours Midnight to Midnight										
Day	Temp		Rain	Dur	Rel-Hum		KB-	Wind-Spd		
	Max	Min			Max	Min		Avg	Max	Dir
1	70	41	0.00	0	98	23	551	3.7	21.4	90
2	74	37	0.00	0	98	37	554	3.4	16.4	90
3	80	55	0.18	2	90	37	558	7.3	21.7	90
4	67	48	0.00	0	95	44	563	5.0	20.3	315

5	65	42	0.00	0	99	30	565	4.5	18.2	45
6	71	43	0.00	0	95	55	567	5.0	18.5	45
7	76	50	0.00	0	97	42	570	4.7	20.7	90
8	77	51	0.00	0	98	49	574	2.1	14.2	90
9	77	51	0.00	0	99	45	578	2.4	13.9	90
10	62	38	0.01	1	98	38	581	4.0	20.0	315
11	64	32	0.00	0	90	11	582	2.4	13.9	315
12	69	27	0.00	0	94	14	584	1.5	14.6	90
13	76	38	0.00	0	88	36	587	2.3	14.6	180
14	82	48	0.00	0	97	41	591	3.7	18.5	180
15	85	52	0.00	0	99	49	596	5.2	17.4	180
16	84	69	0.65	3	96	59	601	7.9	25.0	180
17	70	50	0.00	0	97	34	562	5.7	17.1	315
18	64	40	0.00	0	75	35	564	7.5	20.7	90
19	76	49	0.00	0	89	53	567	7.1	18.9	90
20	73	65	0.00	0	96	73	571	3.5	10.7	135
21	83	61	0.00	0	99	45	576	2.4	9.9	90
22	80	59	0.00	0	98	65	581	4.9	23.2	180
23	74	55	0.06	3	97	46	585	5.3	17.8	270
24	69	43	0.00	0	94	25	588	4.2	20.3	45
25	74	39	0.00	0	97	44	591	3.6	14.6	90
26	76	59	0.00	0	91	47	594	5.8	15.3	90
27	79	63	0.00	0	85	37	597	7.9	26.0	135
28	68	48	0.43	6	96	60	578	8.2	28.2	270
29	56	39	0.00	0	89	43	579	7.0	23.5	270
30	55	34	0.00	0	96	50	580	3.9	17.8	315

Average High Temp 72.5
Average Low Temp 47.5
Rainfall Total 1.33

Georgia Forestry Commission Automated Weather Data
December 2011

24 Hours Midnight to Midnight

Day	Temp	Rain	Rel-Hum	KB-	Wind-Spd	Pre
Max Min	Day Dur	Max Min	DI	Avg	Max Dir	
1	64 28	0.00 0	97 38	581	2.1 12.1	90
2	68 31	0.00 0	97 26	582	2.1 11.4	90
3	71 31	0.00 0	97 32	584	3.2 13.9	90
4	74 50	0.00 0	99 51	586	6.6 16.0	90
5	77 50	0.00 0	99 49	589	5.3 17.4	90
6	78 58	0.00 0	96 62	593	4.8 16.4	180
7	67 39	0.17 3	96 54	597	8.6 28.2	315
8	56 32	0.00 0	96 43	597	2.7 13.2	90
9	54 31	0.00 0	98 64	598	2.0 8.9	0
10	57 38	0.00 0	89 35	599	2.6 11.0	45
11	50 37	0.03 1	87 55	600	5.0 16.4	45
12	51 44	0.38 5	95 87	579	4.6 18.5	45

13	71	44	0.00	0	98	45	581	3.5	14.9	45
14	75	41	0.00	0	99	40	584	2.6	14.2	90
15	76	48	0.00	0	98	47	587	3.0	13.2	180
16	76	47	0.00	0	98	49	590	2.2	15.7	225
17	66	41	0.00	0	99	38	593	3.0	14.9	315
18	63	31	0.00	0	92	26	595	2.0	12.1	45
19	71	33	0.00	0	95	45	597	4.0	16.4	90
20	71	55	0.00	0	85	60	599	6.4	19.2	180
21	71	64	0.24	4	95	75	597	7.0	19.6	180
22	79	65	0.74	3	98	52	599	8.1	25.3	180
23	65	54	0.06	2	98	64	525	3.1	13.2	315
24	68	43	0.00	0	95	43	527	2.9	13.2	45
25	64	49	0.00	0	95	76	529	3.1	10.3	45
26	61	53	0.02	2	98	44	531	5.5	16.7	90
27	62	50	0.48	5	96	55	503	10.9	27.5	270
28	58	36	0.00	0	96	35	504	3.4	14.9	270
29	63	35	0.00	0	97	40	506	2.1	14.6	90
30	69	43	0.00	0	97	60	509	4.6	18.2	180
31	73	49	0.00	0	98	48	512	3.3	14.2	225

Average High Temp	66.7
Average Low Temp	43.5
Rainfall Total	2.12

Georgia Forestry Commission Automated Weather Data
January 2012

*4 cold
66 Hot*

24 Hours Midnight to Midnight
Day Temp Rain Rel-Hum KB- Wind-Spd Pre
Max Min Day Dur Max Min DI Avg Max Dir

1	74	47	0.04	2	99	42	515	5.2	21.4	225
2	57	44	0.00	0	60	19	519	7.7	27.1	315
3	43	27	0.00	0	75	22	520	5.4	28.2	315
4	53	20	0.00	0	91	17	520	2.4	14.9	180
5	66	35	0.00	0	95	35	521	2.8	16.0	270
6	69	35	0.00	0	98	36	523	2.1	16.0	225
7	73	42	0.00	0	99	48	526	2.2	13.2	270
8	75	49	0.00	0	98	51	529	2.0	11.7	90
9	75	51	0.00	0	98	40	533	1.8	13.5	90
10	69	47	0.00	0	98	64	537	3.2	17.8	135
11	65	47	0.24	3	94	50	536	8.8	28.2	225
12	71	42	0.00	0	98	51	539	8.0	31.8	225
13	48	28	0.00	0	75	28	542	5.9	19.2	270
14	55	23	0.00	0	90	21	543	3.4	15.3	225
15	64	30	0.00	0	94	18	544	2.3	13.9	90
16	68	33	0.00	0	84	33	546	4.4	16.0	90
17	72	43	0.01	1	93	57	549	5.9	21.4	180
18	62	39	0.66	7	96	44	506	4.4	19.6	315
19	64	31	0.00	0	97	23	508	1.9	9.6	45
20	67	42	0.01	1	92	65	510	4.4	12.8	180
21	77	60	0.58	4	97	48	513	7.1	24.2	180
22	70	62	0.58	4	98	83	479	4.5	13.5	90
23	77	60	0.02	1	96	52	426	7.1	18.9	180
24	72	58	0.17	3	98	52	413	2.8	15.3	45
25	74	52	0.00	0	98	64	418	3.1	18.5	135
26	78	60	0.60	4	97	53	424	8.7	28.9	180
27	65	43	0.01	1	94	37	390	7.1	22.1	270
28	68	36	0.00	0	97	34	393	1.6	12.8	180
29	62	35	0.00	0	89	17	396	2.5	12.4	0
30	67	29	0.00	0	95	15	399	1.7	9.9	90
31	72	38	0.00	0	91	35	403	3.5	16.0	90

Average High Temp 66.8
Average Low Temp 41.5
Rainfall Total 2.92

Georgia Forestry Commission Automated Weather Data
February 2012

24 Hours Midnight to Midnight										
Day	Temp		Rain		Rel-Hum		KB-	Wind-Spd		Pre
	Max	Min	Day	Dur	Max	Min	DI	Avg	Max	Dir
1	72	43	0.07	3	97	53	408	4.4	16.0	90
2	72	54	0.00	0	99	61	413	2.4	13.0	270
3	70	49	0.00	0	99	51	417	5.1	17.0	90
4	77	56	0.00	0	92	50	422	5.5	20.0	90
5	72	55	0.00	0	98	65	428	2.0	11.0	225
6	73	52	0.00	0	97	57	433	2.6	14.0	315
7	66	48	0.00	0	94	51	437	3.2	12.0	45
8	68	41	0.00	0	98	29	440	2.3	13.0	315
9	62	35	0.00	0	89	34	443	2.3	13.0	45
10	60	37	0.00	0	95	41	445	1.6	10.0	270
11	54	33	0.00	0	80	27	447	7.6	30.0	315
12	48	23	0.00	0	64	19	448	3.6	19.0	315
13	56	19	0.00	0	87	16	449	1.6	13.0	225
14	63	33	0.03	2	94	52	452	4.4	15.0	90
15	74	54	0.00	0	95	52	456	3.5	12.0	0
16	75	62	0.17	5	99	64	461	5.7	20.0	225
17	69	52	0.01	1	95	49	464	2.6	11.0	45
18	65	50	1.11	5	97	80	468	4.5	41.0	90
19	70	49	0.57	5	99	61	308	9.2	27.0	270
20	60	38	0.00	0	93	44	311	5.3	19.0	90
21	66	46	0.00	0	95	57	315	3.5	13.0	135
22	71	47	0.01	1	99	57	321	3.5	14.0	225
23	77	67	0.00	0	91	64	331	11.6	25.0	225
24	77	56	0.49	2	96	42	338	9.3	35.0	225
25	58	45	0.00	0	82	23	312	3.9	16.0	0
26	53	44	0.13	4	96	50	313	4.5	16.0	90
27	60	50	0.56	9	99	92	271	2.8	9.0	45
28	71	56	0.00	0	99	75	278	5.0	12.0	90
29	77	57	0.00	0	99	69	289	4.9	20.0	225

Average High Temp 66.8
 Average Low Temp 46.6
 Rainfall Total 3.15

Georgia Forestry Commission Automated Weather Data
 March 2012

24 Hours Midnight to Midnight										
Day	Temp		Rain		Rel-Hum		KB-	Wind-Spd		Pre
	Max	Min	Day	Dur	Max	Min	DI	Avg	Max	Dir
1	77	67	0.00	0	94	69	298	8.2	21.0	225
2	80	67	0.00	0	92	53	308	7.9	29.0	225
3	71	47	3.29	14	97	87	125	7.0	26.0	0
4	61	43	0.46	3	95	19	6	6.1	26.0	315

5	72	41	0.00	0	85	18	14	5.4	26.0	225
6	71	40	0.00	0	70	33	20	7.8	20.0	90
7	76	52	0.00	0	89	40	31	7.9	18.0	90
8	80	54	0.00	0	94	43	45	4.6	14.0	90
9	72	55	0.00	0	96	68	57	3.4	13.0	0
10	72	49	0.00	0	69	30	65	6.5	21.0	90
11	72	56	0.00	0	84	53	74	8.9	19.0	90
12	76	61	0.00	0	89	55	86	5.9	19.0	135
13	83	60	0.00	0	94	48	99	2.8	14.0	225
14	86	59	0.21	4	97	37	114	2.6	14.0	225
15	87	57	0.00	0	98	31	129	1.9	11.0	90
16	86	59	0.00	0	95	36	144	3.2	12.0	225
17	86	60	0.00	0	94	32	159	2.4	11.0	135
18	86	58	0.00	0	97	35	176	1.7	12.0	90
19	86	59	0.00	0	96	37	192	2.5	14.0	135
20	84	63	0.00	0	88	36	207	6.1	23.0	135
21	83	63	0.00	0	93	43	221	6.9	22.0	135
22	83	66	0.00	0	94	56	234	5.9	16.7	135
23	80	65	0.07	2	96	58	248	4.1	19.0	135
24	82	63	0.02	1	98	38	261	5.4	18.0	270
25	78	51	0.00	0	93	27	272	4.0	20.0	315
26	84	49	0.00	0	95	28	284	2.1	15.0	225
27	85	52	0.00	0	96	28	295	3.0	15.0	90
28	84	59	0.00	0	97	34	307	4.6	15.0	180
29	84	54	0.00	0	96	25	319	2.8	15.0	225
30	84	58	0.00	0	96	42	330	3.6	21.0	180
31	77	61	0.00	0	96	57	342	3.8	14.0	225

Average High Temp 79.6
Average Low Temp 56.4
Rainfall Total 4.05

Georgia Forestry Commission Automated Weather Data
April 2012

24 Hours Midnight to Midnight

Day	Temp		Rain	Rel-Hum	KB-	Wind-Spd	Pre
	Max	Min	Day Dur	Max Min	DI	Avg Max Dir	
1	86	62	0.00	0	96	38 355	4.6 16.0 270
2	87	65	0.00	0	95	39 369	4.6 16.0 315
3	87	61	0.09	2	98	38 380	3.8 26.0 225
4	85	62	0.01	1	97	39 392	5.8 25.0 225
5	77	58	0.54	2	98	57 401	4.0 34.0 225
6	70	53	0.01	1	98	65 372	4.2 17.0 45
7	74	44	0.00	0	98	26 378	3.8 20.0 90
8	79	46	0.00	0	96	29 386	2.7 14.0 270
9	83	52	0.00	0	95	20 395	2.2 11.0 180
10	83	47	0.00	0	96	17 404	2.4 15.0 180
11	76	50	0.00	0	94	24 411	3.8 18.0 315

①

12	72	46	0.00	0	77	22	416	3.8	18.0	45
13	80	45	0.00	0	93	26	422	2.0	13.0	45
14	81	58	0.00	0	83	35	429	5.3	19.0	90
15	84	62	0.00	0	88	41	438	5.8	19.0	180
16	88	61	0.00	0	90	36	447	4.1	15.0	135
17	85	57	0.00	0	95	35	455	2.9	14.0	180
18	77	64	1.38	8	96	57	425	3.5	23.0	90
19	80	65	0.00	0	96	52	355	4.9	14.0	90
20	82	63	0.01	1	96	36	364	3.9	15.0	90
21	78	57	0.21	5	97	60	373	2.8	12.0	90
22	75	60	0.05	1	96	25	374	7.0	29.0	315
23	66	50	0.00	0	71	21	378	7.9	27.0	315
24	73	40	0.00	0	84	25	383	5.7	27.0	270
25	82	47	0.00	0	91	31	393	7.6	21.0	225
26	87	54	0.00	0	97	34	405	7.8	23.0	225
27	85	58	0.00	0	97	34	417	4.6	16.0	225
28	87	58	0.00	0	97	36	429	2.8	19.0	225
29	93	59	0.00	0	95	32	442	1.6	10.0	90
30	91	65	0.00	0	94	32	454	4.6	19.0	90

Average High Temp 81.1

Average Low Temp 55.6

Rainfall Total 2.30

Georgia Forestry Commission Automated Weather Data
May 2012

24 Hours Midnight to Midnight

Day	Temp	Rain	Rel-Hum	KB-	Wind-Spd	Pre
	Max Min	Day Dur	Max Min	DI	Avg Max Dir	

1	90	65	0.00	0	95	32	465	5.1	19.0	135
2	90	69	0.00	0	88	34	475	5.1	18.0	135
3	86	69	0.00	0	87	44	484	4.4	14.0	135
4	90	67	0.00	0	91	43	492	2.7	22.0	225
5	90	65	0.00	0	97	32	503	3.5	14.0	270
6	88	65	0.56	5	96	51	513	4.1	26.0	270
7	88	61	0.00	0	97	42	485	4.3	18.0	90
8	88	67	0.00	0	95	44	494	2.7	16.0	45
9	85	65	0.05	1	97	50	502	4.4	18.0	315
10	81	54	0.00	0	97	26	509	2.8	16.0	0
11	85	52	0.00	0	96	27	517	3.1	15.0	90
12	84	66	0.00	0	79	35	524	7.5	19.0	135
13	80	66	0.17	5	90	53	530	6.1	21.0	135
14	83	68	0.01	1	94	52	537	4.5	16.0	225
15	86	63	0.00	0	97	42	544	4.0	19.0	270
16	85	66	0.04	2	94	47	551	3.3	13.0	225
17	88	62	0.00	0	96	37	559	3.3	13.0	45
18	83	60	0.00	0	94	45	565	5.3	19.0	45
19	85	60	0.00	0	91	23	571	5.1	21.0	45

20	86	52	0.00	0	87	19	577	3.2	18.0	45
21	90	55	0.00	0	94	28	584	3.0	17.0	315
22	88	64	0.38	3	96	32	591	4.0	20.0	270
23	89	60	0.01	1	98	34	580	2.9	17.0	180
24	92	67	0.00	0	96	31	588	2.3	12.0	90
25	95	69	0.00	0	94	32	596	3.5	14.0	90
26	97	69	0.00	0	86	26	605	3.1	17.0	45
27	94	69	0.00	0	87	32	612	4.9	22.0	45
28	83	72	0.03	2	95	62	616	5.7	20.0	0
29	84	71	0.22	9	96	66	621	4.3	22.0	315
30	93	68	0.21	2	97	30	604	4.0	20.0	270
31	93	66	0.00	0	96	36	612	4.3	25.0	225

Average High Temp 87.7

Average Low Temp 64.3

Rainfall Total 1.68

Georgia Forestry Commission Automated Weather Data
June 2012

24 Hours Midnight to Midnight

Day	Temp	Rain	Rel-Hum	KB-	Wind-Spd	Pre
	Max Min	Day Dur	Max Min	DI	Avg Max Dir	
1	83 69	0.25 3	96 57	618	3.8 19.0	180
2	84 62	0.00 0	94 31	618	3.7 19.0	315
3	92 61	0.00 0	95 34	625	3.9 16.0	225
4	93 66	0.00 0	96 36	633	6.8 23.0	270
5	90 68	0.25 3	95 37	639	5.2 37.0	225
6	86 70	0.24 5	94 59	616	5.3 16.0	225
7	76 70	0.08 3	93 71	614	7.4 19.0	90
8	83 68	0.00 0	87 47	619	7.1 22.0	90
9	81 69	0.19 4	96 66	623	7.5 19.0	90
10	87 71	0.23 5	95 62	626	4.6 34.0	135
11	90 71	0.02 1	95 54	612	4.6 27.0	180
12	90 70	0.00 0	93 40	617	5.5 26.0	225
13	92 69	0.00 0	94 42	624	2.7 17.0	270
14	90 70	0.29 3	94 50	630	3.7 37.0	90
15	85 68	0.00 0	96 43	627	5.6 22.0	90
16	86 62	0.02 1	95 40	632	5.2 21.0	90
17	87 62	0.00 0	94 35	637	4.1 20.0	90
18	88 65	0.00 0	93 31	642	4.2 16.0	90
19	89 63	0.00 0	88 29	647	4.8 18.0	90
20	89 66	0.00 0	94 35	652	7.3 22.0	90
21	90 64	0.00 0	86 33	657	5.0 17.0	90
22	92 69	0.00 0	91 32	662	4.7 19.0	90
23	92 71	0.00 0	93 48	667	4.5 17.0	135
24	80 72	0.14 7	92 74	671	8.2 19.0	90
25	79 72	0.38 8	94 82	649	8.6 22.0	90
26	88 71	0.00 0	92 53	649	8.4 26.0	90

27	89	61	0.00	0	94	27	654	3.9	23.0	45
28	94	61	0.00	0	95	29	660	3.1	14.0	270
29	97	69	0.00	0	90	41	667	6.8	17.0	225
30	98	75	0.00	0	92	41	674	7.8	17.0	225

Average High Temp 88.0
 Average Low Temp 67.5
 Rainfall Total 2.09

Georgia Forestry Commission Automated Weather Data
 July 2012

24 Hours Midnight to Midnight

Day	Temp	Rain	Rel-Hum	KB-	Wind-Spd	Pre
	Max Min	Day Dur	Max Min	DI	Avg Max Dir	

1	99	73	0.65	1	94	39	681	7.9	28.0	270
2	92	71	0.20	3	93	41	625	3.6	17.0	90
3	94	73	0.00	0	95	48	632	3.8	22.0	270
4	92	71	0.00	0	95	47	640	4.2	24.0	225
5	94	74	0.00	0	96	46	647	4.7	15.0	225
6	88	74	0.12	3	93	63	654	4.1	19.0	225
7	94	74	0.00	0	94	39	660	4.3	24.0	225
8	94	72	0.00	0	95	39	666	4.2	14.0	225
9	95	73	0.00	0	94	38	672	4.6	34.0	225
10	92	72	0.04	1	95	43	677	3.5	25.0	225
11	91	71	0.11	2	96	48	682	3.4	28.0	90
12	91	71	0.18	3	96	44	686	4.8	17.0	135
13	92	73	0.24	4	96	46	656	5.5	20.0	90
14	92	73	0.00	0	93	43	659	6.0	18.0	90
15	93	73	0.00	0	92	39	664	5.5	17.0	135
16	94	72	0.00	0	95	42	670	2.7	15.0	45
17	92	72	0.00	0	94	46	676	3.4	20.0	180
18	92	70	0.00	0	97	44	681	4.5	15.0	225
19	90	73	0.04	2	94	53	686	5.5	20.0	225
20	89	73	0.06	2	95	56	690	4.8	22.0	225
21	93	73	0.00	0	94	41	694	4.1	18.0	180
22	96	71	0.55	3	95	38	699	3.2	31.0	45
23	93	71	0.00	0	95	43	670	4.2	19.0	90
24	96	72	0.00	0	94	42	676	3.0	14.0	225
25	94	74	0.00	0	94	46	682	3.5	17.0	225
26	96	72	0.87	4	95	47	688	4.3	24.0	225
27	88	72	0.15	2	96	71	629	3.5	15.0	225
28	93	72	0.00	0	96	49	621	2.6	22.0	270
29	95	75	0.22	3	94	45	629	4.3	25.0	270
30	96	76	0.00	0	92	34	634	5.8	15.0	270
31	84	73	0.00	0	92	62	640	5.2	17.0	270

Average High Temp 92.7
 Average Low Temp 72.5
 Rainfall Total 3.43

Georgia Forestry Commission Automated Weather Data
 August 2012

24 Hours Midnight to Midnight

Day	Temp	Rain	Rel-Hum	KB-	Wind-Spd	Pre
	Max Min	Day Dur	Max Min	DI	Avg Max Dir	

1	95 73	0.00 0	95 46	647	3.4 12.0	315
2	92 70	0.90 3	95 55	654	3.7 23.0	225
3	92 72	0.00 0	96 53	593	3.2 20.0	135
4	92 73	0.01 1	95 49	601	4.0 25.0	90
5	84 72	0.01 1	93 70	608	3.9 12.0	90
6	87 74	1.22 6	95 57	515	4.8 16.0	135
7	85 74	0.01 1	95 68	524	3.8 13.0	180
8	85 74	0.01 1	95 72	535	2.5 14.0	180
9	88 72	0.03 2	95 62	545	4.5 27.0	225
10	82 73	0.05 2	94 65	555	4.7 22.0	225
11	85 73	0.06 1	93 65	563	5.7 21.0	225
12	90 71	0.00 0	95 43	572	3.8 14.0	315
13	91 66	0.00 0	96 36	581	1.9 17.0	225
14	85 71	0.02 1	95 64	590	4.0 19.0	225
15	89 74	0.09 2	95 64	599	4.5 24.0	225
16	93 76	0.00 0	96 45	608	4.2 15.0	270
17	90 73	0.00 0	94 53	616	5.1 20.0	270
18	89 70	0.00 0	95 49	623	3.5 13.0	225
19	87 74	0.09 3	93 61	629	4.4 26.0	225
20	77 71	0.11 7	95 79	633	2.8 11.0	225
21	85 69	0.00 0	96 56	638	2.1 14.0	90
22	89 69	0.04 1	96 52	643	2.6 16.0	90
23	81 69	0.00 0	96 63	648	2.0 20.0	45
24	89 65	0.00 0	96 43	653	2.5 15.0	45
25	88 69	0.00 0	95 37	658	5.0 19.0	90
26	89 63	0.00 0	95 39	663	5.0 23.0	90
27	86 70	0.02 2	89 65	667	8.1 25.0	90
28	92 77	0.00 0	86 47	672	4.8 17.0	90
29	87 74	0.59 7	94 66	676	4.2 27.0	135
30	90 74	0.00 0	93 56	640	2.5 21.0	135
31	92 72	0.00 0	95 52	646	2.8 11.0	90

Average High Temp 87.9
 Average Low Temp 71.5
 Rainfall Total 3.26

Georgia Forestry Commission Automated Weather Data
September 2012

24 Hours Midnight to Midnight

Day	Temp	Rain	Rel-Hum	KB-	Wind-Spd	Pre
Max Min	Day Dur	Max Min	DI	Avg	Max Dir	
1	93 72	0.00 0	96 51	653	2.3 16.0	45
2	91 72	0.00 0	95 52	659	1.5 14.0	180
3	91 73	0.00 0	95 48	664	4.1 19.0	225
4	80 72	0.01 1	92 71	669	3.5 14.0	225
5	86 70	0.29 4	94 68	673	2.9 20.0	135
6	91 70	0.00 0	96 46	668	0.9 12.0	135
7	92 71	0.26 3	96 44	673	1.0 20.0	225
8	83 72	0.26 6	96 68	667	2.2 14.0	180
9	84 65	0.00 0	96 36	651	3.2 14.0	315
10	85 61	0.00 0	96 33	655	3.2 19.0	45
11	85 59	0.00 0	96 42	659	4.4 19.0	90
12	84 66	0.00 0	80 43	663	6.3 20.0	90
13	86 71	0.00 0	77 45	667	6.0 18.0	90
14	85 69	0.00 0	88 48	671	4.1 15.0	45
15	88 68	0.00 0	95 45	675	3.0 16.0	45
16	90 67	0.00 0	95 42	679	2.5 13.0	90
17	87 70	0.24 4	93 54	683	4.7 17.0	180
18	82 69	0.42 6	95 64	651	5.2 19.0	180
19	83 64	0.00 0	95 47	646	2.0 10.0	315
20	83 62	0.08 1	96 56	650	2.6 17.0	90
21	85 64	0.00 0	96 48	655	1.9 12.0	90
22	89 65	0.00 0	96 41	660	1.5 12.0	315
23	87 62	0.00 0	95 23	665	2.7 17.0	0
24	83 54	0.00 0	93 15	668	1.6 12.0	45
25	85 52	0.00 0	95 35	672	2.7 16.0	45
26	87 60	0.00 0	95 41	676	3.2 16.0	90
27	89 70	0.00 0	95 43	680	3.3 15.0	90
28	90 65	0.00 0	99 39	684	1.8 16.0	90
29	90 67	0.37 7	99 45	688	1.5 15.0	45
30	83 71	0.23 3	100 59	673	1.8 21.0	180

Average High Temp 86.6
Average Low Temp 66.4
Rainfall Total 2.16

Georgia Forestry Commission Automated Weather Data
October 2012

24 Hours Midnight to Midnight

Day	Temp		Rain		Rel-Hum		KB-	Wind-Spd			Pre
	Max	Min	Day	Dur	Max	Min	DI	Avg	Max	Dir	
1	85	73	0.02	2	98	65	655	4.0	24.0	180	
2	82	67	0.02	1	98	56	655	4.0	18.0	270	
3	77	66	0.13	3	99	70	658	1.7	12.0	135	
4	76	67	0.20	3	100	84	655	1.1	9.0	45	
5	82	69	0.00	0	100	71	653	1.5	11.0	45	
6	88	67	0.00	0	100	49	658	1.7	10.0	0	
7	85	64	0.00	0	100	52	662	2.8	13.0	315	
8	80	59	0.00	0	91	55	665	2.8	13.0	0	
9	66	55	0.00	0	99	80	668	3.0	13.0	90	
10	82	53	0.00	0	100	42	671	1.6	12.0	45	
11	83	53	0.00	0	100	40	674	1.6	15.0	45	
12	86	54	0.00	0	100	44	677	1.5	12.0	315	
13	83	61	0.00	0	98	43	680	4.3	19.0	90	
14	87	61	0.00	0	99	43	683	2.9	13.0	45	
15	85	61	0.00	0	100	51	686	3.1	18.0	315	
16	78	47	0.00	0	98	29	688	2.3	16.0	45	
17	81	55	0.00	0	91	34	690	2.3	12.0	135	
18	76	55	0.50	6	99	63	693	2.1	20.0	225	
19	79	52	0.00	0	100	21	666	2.8	15.0	225	
20	77	46	0.00	0	99	31	668	2.7	18.0	270	
21	80	45	0.00	0	99	30	670	2.0	13.0	45	
22	81	48	0.00	0	99	25	673	3.3	17.0	90	
23	83	48	0.00	0	99	43	676	3.3	15.0	90	
24	83	56	0.00	0	100	41	679	2.9	21.0	90	
25	86	58	0.00	0	99	42	682	4.2	17.0	90	
26	86	60	0.00	0	99	36	685	3.2	16.0	45	
27	78	56	0.00	0	91	51	687	5.0	17.0	315	
28	58	52	0.00	0	89	54	688	6.6	21.0	315	
29	64	45	0.00	0	69	22	689	8.5	24.0	315	
30	64	41	0.00	0	59	17	690	9.1	30.0	270	
31	73	41	0.00	0	80	29	691	6.4	25.0	270	

Average High Temp 79.2

Average Low Temp 56.0

Rainfall Total 0.87

Georgia Forestry Commission Automated Weather Data
November 2012

24 Hours Midnight to Midnight											
Day	Temp		Rain		Rel-Hum		KB-	Wind-Spd			Pre
	Max	Min	Day	Dur	Max	Min	DI	Avg	Max	Dir	
1	73	43	0.00	0	97	22	692	3.1	23.0	315	
2	80	39	0.00	0	93	32	694	3.9	22.0	270	
3	86	54	0.00	0	100	36	696	2.3	16.0	270	

4	83	59	0.00	0	99	36	698	3.9	19.0	270
5	74	47	0.00	0	90	25	699	2.5	14.0	45
6	64	49	0.15	2	99	57	700	4.7	18.0	315
7	63	45	0.00	0	94	37	701	4.3	20.0	315
8	68	35	0.00	0	97	29	702	2.5	15.0	315
9	73	33	0.00	0	97	24	703	1.7	10.0	90
10	75	35	0.00	0	97	21	704	2.5	13.0	90
11	78	44	0.00	0	97	41	705	4.0	17.0	90
12	78	59	0.00	0	96	49	707	5.1	19.0	90
13	72	45	0.00	0	90	27	708	3.8	13.0	315
14	57	45	0.03	1	97	71	709	4.3	17.0	90
15	53	49	0.00	0	97	76	710	3.3	12.0	45
16	60	42	0.00	0	98	56	711	2.6	17.0	45
17	63	39	0.00	0	98	40	712	4.6	17.0	45
18	73	45	0.00	0	81	42	713	4.3	21.0	45
19	69	40	0.00	0	97	54	714	2.4	14.0	45
20	68	52	0.00	0	98	58	715	1.2	9.0	315
21	75	42	0.00	0	99	30	716	1.8	15.0	45
22	73	37	0.00	0	97	18	717	1.9	13.0	90
23	75	35	0.00	0	92	30	718	3.0	17.0	270
24	63	36	0.00	0	76	17	718	3.9	17.0	315
25	65	25	0.00	0	89	13	719	1.7	12.0	45
26	69	27	0.00	0	86	29	720	2.0	11.0	225
27	54	48	1.01	10	98	59	715	2.0	14.0	90
28	60	43	0.01	1	100	58	640	2.6	14.0	45
29	67	38	0.00	0	99	50	641	2.0	14.0	45
30	74	46	0.00	0	98	43	643	3.0	14.0	90

Average High Temp 69.5
Average Low Temp 42.5
Rainfall Total 1.20

Georgia Forestry Commission Automated Weather Data
December 2012

24 Hours Midnight to Midnight

Day	Temp		Rain		Rel-Hum		KB-	Wind-Spd		Pre
	Max	Min	Day	Dur	Max	Min	DI	Avg	Max	Dir
1	76	45	0.00	0	99	34	645	2.3	12.0	90
2	77	46	0.00	0	98	46	647	1.7	12.0	45
3	80	51	0.00	0	98	37	649	1.5	14.0	135
4	79	50	0.00	0	99	40	651	2.0	12.0	90
5	79	49	0.00	0	99	32	653	1.3	10.0	90
6	74	51	0.00	0	97	54	655	4.6	17.0	90
7	65	54	0.00	0	98	79	657	4.9	16.0	90
8	76	52	0.00	0	98	62	659	2.2	13.0	90
9	73	58	0.00	0	98	61	661	2.1	10.0	180
10	79	53	0.00	0	100	48	663	6.0	21.0	225
11	69	48	0.20	7	94	76	664	3.6	17.0	315

12	49	45	0.82	17	98	93	622	3.2	13.0	0
13	54	45	0.00	0	95	69	583	5.5	16.0	45
14	64	45	0.00	0	97	52	584	4.5	18.0	90
15	68	47	0.00	0	98	63	586	2.1	9.0	90
16	75	52	0.00	0	99	58	589	4.4	17.0	225
17	71	57	0.67	5	98	81	592	5.6	24.0	225
18	68	41	0.01	1	99	26	546	3.5	15.0	270
19	75	35	0.00	0	98	26	549	0.8	10.0	180
20	74	43	0.52	4	95	47	553	7.5	26.0	180
21	53	39	0.00	0	54	19	522	10.0	27.0	270
22	59	27	0.00	0	83	17	523	4.2	15.0	270
23	60	28	0.00	0	93	27	525	1.8	9.0	90
24	66	38	0.31	4	99	72	528	4.9	21.0	180
25	65	59	0.19	3	100	83	520	3.6	20.0	135
26	67	40	0.19	3	90	59	484	12.6	40.0	270
27	53	34	0.00	0	96	50	485	4.5	16.0	315
28	56	31	0.03	1	97	56	487	2.9	10.0	90
29	53	40	1.08	4	99	57	398	7.7	23.0	315
30	53	29	0.00	0	91	34	399	3.3	17.0	315
31	63	30	0.00	0	96	52	401	2.3	12.0	90

Average High Temp	66.9
Average Low Temp	43.9
Rainfall Total	4.02

Georgia Forestry Commission Automated Weather Data
January 2013

*1 cold
75 hot.*

24 Hours Midnight to Midnight
Day Temp Rain Rel-Hum KB- Wind-Spd Pre
Max Min Day Dur Max Min DI Avg Max Dir

1	74	46	0.00	0	98	58	406	6.4	21.0	225
2	67	56	0.09	3	96	66	408	4.2	14.0	0
3	56	41	0.26	9	97	69	409	2.8	11.0	0
4	56	34	0.00	0	98	53	396	2.1	10.0	0
5	56	36	0.01	1	98	32	398	2.4	10.0	45
6	56	46	0.00	0	93	51	401	2.7	15.0	45
7	57	37	0.00	0	97	46	403	5.0	22.0	90
8	70	44	0.00	0	84	58	406	5.0	14.0	90
9	72	57	0.00	0	97	74	411	5.5	12.0	90
10	77	66	0.01	1	97	64	417	7.7	18.0	90
11	79	60	0.00	0	96	52	423	5.3	17.0	135
12	78	55	0.00	0	99	54	430	3.8	18.0	90
13	79	59	0.00	0	99	53	436	4.9	22.0	180
14	78	62	0.00	0	99	56	442	5.5	17.0	180
15	79	59	0.00	0	97	49	448	5.8	21.0	180
16	79	64	0.00	0	93	57	453	7.8	20.0	180
17	68	41	0.14	3	98	60	454	11.4	32.0	270
18	60	36	0.00	0	95	25	456	3.7	18.0	45
19	67	35	0.00	0	89	43	458	2.5	13.0	0
20	67	42	0.00	0	96	35	461	2.0	14.0	315
21	66	35	0.00	0	97	33	464	1.7	12.0	315
22	59	35	0.00	0	78	23	465	2.7	14.0	0
23	61	29	0.00	0	95	33	467	2.3	15.0	225
24	71	45	0.00	0	97	48	470	4.7	23.0	270
25	71	46	0.00	0	93	38	473	6.5	19.0	225
26	72	53	0.00	0	96	58	477	3.8	13.0	225
27	70	42	0.00	0	87	45	480	5.1	18.0	90
28	76	50	0.00	0	95	53	485	4.5	16.0	90
29	80	56	0.00	0	98	44	491	5.7	19.0	180
30	76	55	0.62	3	93	70	496	11.9	49.0	180
31	58	38	0.00	0	83	23	455	6.9	32.0	315

Average High Temp 68.9
Average Low Temp 47.1
Rainfall Total 1.13

Georgia Forestry Commission Automated Weather Data
February 2013

24 Hours Midnight to Midnight										
Day	Temp		Rain		Rel-Hum		KB-	Wind-Spd		Pre
	Max	Min	Day	Dur	Max	Min	DI	Avg	Max	Dir
1	60	34	0.00	0	91	22	456	3.1	16.0	315
2	62	26	0.00	0	91	19	458	2.5	12.0	90
3	65	40	0.00	0	95	23	460	4.3	20.0	270
4	61	33	0.00	0	94	31	462	2.0	12.0	90
5	67	42	0.03	2	97	63	465	3.2	13.0	225
6	73	51	0.00	0	99	51	469	1.9	15.0	45
7	66	53	0.81	9	97	89	467	5.1	25.0	90
8	64	51	0.00	0	94	70	413	2.5	11.0	315
9	66	39	0.00	0	97	34	416	4.3	15.0	90
10	72	49	0.01	1	72	47	420	9.3	25.0	90
11	69	59	1.84	14	97	76	348	3.8	20.0	135
12	71	58	1.12	11	98	90	247	5.7	24.0	90
13	70	49	0.43	7	98	43	127	7.3	25.0	270
14	49	39	0.00	0	97	67	120	3.4	10.0	0
15	65	33	0.00	0	98	34	125	2.5	10.0	90
16	53	37	0.03	2	95	22	127	5.4	25.0	315
17	50	27	0.00	0	84	16	129	2.8	15.0	270
18	60	29	0.00	0	93	18	133	3.3	17.0	135
19	65	41	0.03	3	97	55	140	5.8	25.0	315
20	60	32	0.00	0	89	25	143	2.2	14.0	315
21	71	34	0.00	0	96	23	150	2.5	13.0	90
22	68	61	1.08	10	98	51	128	6.0	27.0	135
23	69	60	2.54	10	98	91	11	2.4	16.0	225
24	72	51	0.01	1	98	33	11	3.0	13.0	45
25	60	52	2.87	17	97	56	7	6.5	27.0	90
26	70	54	1.24	7	97	41	11	11.8	27.0	225
27	58	47	0.00	0	84	44	18	5.7	17.0	270
28	60	43	0.00	0	97	28	23	6.4	27.0	270

Average High Temp 64.1
 Average Low Temp 43.7
 Rainfall Total 12.04

Georgia Forestry Commission Automated Weather Data
 March 2013

24 Hours Midnight to Midnight										
Day	Temp		Rain		Rel-Hum		KB-	Wind-Spd		Pre
	Max	Min	Day	Dur	Max	Min	DI	Avg	Max	Dir
1	53	40	0.00	0	64	39	27	6.0	20.0	315
2	44	36	0.00	0	85	45	29	6.8	21.0	315
3	47	35	0.00	0	71	35	31	6.3	20.0	315
4	63	29	0.00	0	93	23	36	2.6	12.0	90
5	72	49	0.11	2	87	50	45	9.4	31.0	180

6	54	41	0.00	0	73	34	48	8.4	25.0	315
7	61	32	0.00	0	91	29	52	3.3	13.0	315
8	69	33	0.00	0	97	19	58	2.0	14.0	45
9	69	39	0.00	0	93	21	65	3.9	20.0	90
10	77	51	0.00	0	82	30	76	7.0	21.0	135
11	73	54	0.35	5	94	56	85	8.2	27.0	180
12	65	45	0.26	3	97	34	51	6.2	18.0	315
13	66	39	0.00	0	93	18	57	4.5	26.0	315
14	61	39	0.00	0	72	18	61	4.0	16.0	0
15	73	35	0.00	0	94	24	70	4.8	19.0	270
16	77	44	0.00	0	95	32	82	7.5	24.0	225
17	71	49	0.09	3	97	64	92	4.5	13.0	225
18	80	60	0.36	2	98	57	104	5.5	24.0	180
19	75	57	0.15	4	98	42	78	4.3	17.0	270
20	66	51	0.00	0	62	24	83	3.8	16.0	45
21	63	41	0.00	0	67	14	87	4.4	19.0	315
22	62	46	0.00	0	74	28	92	6.1	16.0	90
23	61	54	0.47	8	96	58	101	4.4	17.0	135
24	82	57	0.47	6	100	34	46	7.8	28.0	270
25	59	42	0.00	0	61	18	50	10.2	28.0	315
26	53	36	0.00	0	62	30	53	7.0	24.0	315
27	60	31	0.00	0	85	21	57	3.0	19.0	315
28	68	35	0.00	0	95	21	63	2.3	15.0	90
29	73	37	0.00	0	96	20	72	2.9	14.0	135
30	74	45	0.00	0	95	36	83	5.1	16.0	225
31	76	57	0.00	0	91	49	96	7.7	24.0	225

Average High Temp 66.0
Average Low Temp 43.2
Rainfall Total 2.26

Georgia Forestry Commission Automated Weather Data
April 2013

Day	Temp		Rain	Rel-Hum	KB-	Wind-Spd	Pre
	Max	Min					
1	78	58	0.00	0	95	38 108	5.6 18.0 270
2	79	48	0.00	0	97	26 120	2.0 14.0 90
3	67	52	0.18	5	96	60 128	5.3 23.0 90
4	61	51	0.10	5	96	89 129	6.4 22.0 45
5	59	45	0.02	2	97	64 134	4.0 14.0 0
6	74	39	0.00	0	98	30 144	3.1 16.0 90
7	80	49	0.00	0	97	36 155	4.4 15.0 90
8	83	56	0.00	0	93	39 168	5.6 18.0 180
9	85	55	0.00	0	97	38 183	3.8 16.0 90
10	85	62	0.00	0	95	36 197	4.5 16.0 135
11	83	62	0.19	1	92	57 210	7.6 28.0 180
12	78	60	0.12	1	93	30 211	6.2 17.0 315

13	81	47	0.00	0	95	21	223	1.8	14.0	45
14	63	58	1.25	9	97	56	230	6.0	26.0	135
15	83	56	0.00	0	99	52	142	2.3	10.0	90
16	84	63	0.00	0	95	50	159	5.3	15.0	90
17	80	65	0.00	0	91	49	174	4.1	14.0	135
18	83	62	0.00	0	96	47	188	5.3	19.0	180
19	80	49	0.47	6	94	69	199	6.4	28.0	180
20	69	46	0.08	2	95	24	171	3.5	15.0	0
21	74	45	0.00	0	97	32	180	5.8	25.0	90
22	72	60	0.00	0	78	50	187	4.6	20.0	90
23	78	53	0.00	0	96	39	198	3.8	16.0	90
24	83	56	0.01	1	90	44	212	5.2	20.0	225
25	81	60	0.00	0	97	45	224	3.3	14.0	315
26	83	46	0.00	0	83	26	236	4.4	16.0	90
27	84	56	0.00	0	93	37	248	5.0	15.0	135
28	84	60	0.00	0	93	43	259	5.3	20.0	135
29	78	62	0.08	1	98	59	271	2.7	11.0	45
30	83	57	0.00	0	99	46	284	2.8	15.0	90

Average High Temp 77.8
Average Low Temp 54.6
Rainfall Total 2.50

Georgia Forestry Commission Automated Weather Data
May 2013

24 Hours Midnight to Midnight

Day	Temp	Rain	Rel-Hum	KB-	Wind-Spd	Pre
	Max Min	Day Dur	Max Min	DI	Avg Max Dir	
1	72 64	0.04 4	92 68	294	7.8 19.0	90
2	73 64	0.01 1	88 71	302	6.6 28.0	90
3	69 64	0.03 2	91 72	309	2.4 20.0	90
4	68 53	0.90 11	95 77	314	1.6 16.0	90
5	73 49	0.00 0	95 36	245	6.7 24.0	270
6	70 46	0.00 0	90 39	251	6.3 22.0	270
7	74 56	0.01 1	90 36	260	3.8 19.0	270
8	80 50	0.00 0	97 33	273	2.5 16.0	270
9	86 59	0.00 0	98 33	287	2.3 13.0	270
10	83 59	0.00 0	97 35	301	4.5 19.0	225
11	81 63	0.00 0	92 55	313	6.3 20.0	270
12	81 62	0.00 0	96 30	323	3.9 16.0	315
13	76 49	0.00 0	80 17	331	3.8 18.0	0
14	81 46	0.00 0	95 27	341	1.8 12.0	45
15	88 55	0.00 0	92 29	354	3.5 15.0	225
16	87 60	0.00 0	93 35	367	3.7 15.0	225
17	88 61	0.00 0	95 32	380	3.5 14.0	225
18	85 62	0.00 0	93 44	394	2.8 16.0	270
19	90 65	0.00 0	95 40	408	3.7 22.0	90
20	93 66	0.01 1	91 34	420	4.3 20.0	90

21	91	67	0.00	0	97	37	434	3.5	21.0	135
22	91	65	0.13	3	97	41	447	2.3	12.0	135
23	90	68	0.00	0	97	30	459	4.4	16.0	315
24	88	64	0.00	0	93	24	470	3.5	18.0	0
25	85	55	0.00	0	85	24	479	3.7	16.0	90
26	89	57	0.00	0	88	26	488	2.0	12.0	45
27	89	63	0.00	0	90	26	498	3.6	18.0	90
28	88	64	0.00	0	86	33	508	6.5	19.0	135
29	90	68	0.00	0	91	36	518	7.3	20.0	135
30	90	73	0.00	0	88	39	527	8.6	19.0	135
31	91	70	0.00	0	94	37	535	8.6	19.0	135

Average High Temp 83.2
Average Low Temp 60.2
Rainfall Total 1.13

Georgia Forestry Commission Automated Weather Data
June 2013

24 Hours Midnight to Midnight

Day	Temp	Rain	Rel-Hum	KB-	Wind-Spd	Pre
	Max Min	Day Dur	Max Min	DI	Avg Max Dir	

1	91	71	0.00	0	89	41	543	5.8	19.0	135
2	91	70	0.39	2	95	46	552	4.0	25.0	135
3	89	71	0.01	1	96	54	541	2.5	14.0	180
4	95	70	0.21	1	97	41	550	3.6	25.0	225
5	86	70	1.01	4	95	56	465	4.3	22.0	90
6	74	70	0.42	11	95	81	466	3.8	15.0	0
7	90	69	0.09	3	98	44	438	4.9	27.0	225
8	90	70	0.67	3	97	47	443	4.1	27.0	270
9	85	72	0.82	6	98	64	376	3.4	37.0	180
10	87	71	0.15	3	98	57	322	3.5	29.0	180
11	92	71	0.00	0	98	42	328	3.5	14.0	270
12	95	73	0.00	0	96	44	352	2.9	14.0	270
13	96	75	0.00	0	95	40	373	5.3	17.0	270
14	91	76	0.00	0	92	45	390	3.4	19.0	45
15	90	73	0.00	0	91	39	406	6.5	20.0	90
16	92	72	0.00	0	81	43	420	4.7	12.0	135
17	92	75	0.00	0	91	41	434	4.0	22.0	225
18	90	74	0.00	0	93	43	448	8.3	24.0	270
19	90	75	0.00	0	89	44	460	5.1	20.0	270
20	89	70	0.00	0	97	49	472	4.1	16.0	90
21	88	72	0.00	0	95	36	483	6.0	21.0	90
22	87	70	0.00	0	96	54	493	3.8	23.0	45
23	90	72	0.00	0	95	50	504	3.8	24.0	135
24	92	70	0.00	0	97	45	516	3.3	18.0	45
25	93	69	0.00	0	96	41	526	3.3	24.0	135
26	93	69	0.00	0	95	43	538	2.7	12.0	270
27	91	73	0.43	2	94	55	549	4.5	24.0	225

28	89	71	0.56	8	96	64	530	5.5	25.0	270
29	84	71	0.11	2	96	70	484	4.0	15.0	225
30	84	70	1.33	8	97	74	473	2.8	24.0	180

Average High Temp 89.5
Average Low Temp 71.5
Rainfall Total 6.20

Georgia Forestry Commission Automated Weather Data
July 2013

24 Hours Midnight to Midnight

Day	Temp	Rain	Rel-Hum	KB-	Wind-Spd	Pre
	Max Min	Day Dur	Max Min	DI	Avg Max Dir	

1	87	69	0.05	1	98	63	373	2.8	17.0	90
2	87	72	0.00	0	93	59	387	5.1	25.0	135
3	79	71	0.79	9	96	80	398	0.8	18.0	135
4	78	72	0.19	7	95	83	351	0.0	0.0	135
5	86	72	0.03	2	96	60	348	2.5	21.0	135
6	85	72	0.82	2	96	67	361	2.5	27.0	90
7	89	72	0.04	2	97	57	297	2.5	22.0	135
8	90	72	0.04	1	98	56	311	2.4	15.0	90
9	91	72	0.01	1	98	52	326	1.5	8.0	90
10	87	74	0.06	4	97	69	342	1.5	18.0	0
11	87	72	1.96	2	99	61	360	3.3	35.0	225
12	88	70	0.00	0	96	61	198	2.9	28.0	225
13	85	69	0.28	3	97	64	192	3.0	25.0	90
14	88	73	0.00	0	95	56	208	5.7	19.0	90
15	87	73	0.00	0	91	58	227	6.0	26.0	90
16	89	74	0.00	0	92	56	248	6.1	20.0	90
17	92	71	0.00	0	97	42	269	2.1	15.0	90
18	90	72	0.00	0	92	44	290	3.4	14.0	135
19	90	72	0.00	0	95	45	308	3.3	18.0	180
20	83	73	0.91	9	96	71	301	3.2	20.0	180
21	87	74	0.55	4	96	61	236	3.8	26.0	225
22	84	72	0.08	3	96	68	247	7.1	27.0	225
23	90	71	0.60	7	95	64	257	4.9	26.0	270
24	89	71	0.85	6	96	63	220	4.3	29.0	270
25	91	72	0.00	0	98	50	165	2.0	10.0	270
26	93	73	0.00	0	97	47	194	2.6	14.0	315
27	89	72	0.01	1	96	50	216	2.6	25.0	225
28	89	71	0.00	0	97	53	235	2.4	16.0	225
29	92	73	0.87	2	97	52	258	1.7	14.0	225
30	94	74	0.05	2	98	48	216	2.1	15.0	180
31	89	74	0.21	5	96	60	231	2.2	18.0	180

Average High Temp 87.9

Average Low Temp 72.1
Rainfall Total 8.40

Georgia Forestry Commission Automated Weather Data
August 2013

24 Hours Midnight to Midnight

Day	Temp	Rain	Rel-Hum	KB-	Wind-Spd	Pre
	Max Min	Day Dur	Max Min	DI	Avg Max Dir	

1	88 73	0.26 3	97 59	232	2.8 16.0	225
2	91 74	0.00 0	97 55	233	1.9 11.0	225
3	92 74	0.00 0	97 51	257	3.0 17.0	225
4	94 75	0.25 4	97 57	283	3.0 19.0	225
5	93 72	0.00 0	97 46	302	1.7 13.0	315
6	93 73	0.00 0	97 51	324	2.6 12.0	0
7	92 75	0.00 0	93 49	342	4.0 14.0	135
8	91 75	0.70 1	95 54	361	4.1 24.0	90
9	93 74	0.00 0	97 50	332	2.9 15.0	135
10	91 74	0.02 2	95 51	352	2.8 15.0	180
11	95 73	0.00 0	97 42	371	2.0 13.0	0
12	95 75	0.00 0	93 45	391	2.5 20.0	270
13	90 72	0.00 0	95 54	408	4.8 31.0	270
14	90 73	0.33 3	95 53	422	4.4 22.0	225
15	86 73	2.94 8	97 63	413	4.2 25.0	135
16	82 72	2.75 10	97 81	143	3.9 11.0	135
17	76 71	1.28 12	98 85	18	2.2 12.0	45
18	85 71	0.78 5	97 73	25	2.3 16.0	90
19	91 72	1.24 5	97 58	26	2.2 22.0	45
20	89 74	0.02 2	97 57	29	3.3 22.0	90
21	90 71	0.00 0	97 52	57	4.0 36.0	90
22	86 72	0.00 0	96 62	84	3.5 20.0	135
23	90 71	0.00 0	97 50	109	2.6 22.0	45
24	89 72	3.35 5	96 60	134	2.8 34.0	90
25	85 73	0.01 1	96 52	22	4.2 17.0	90
26	84 65	0.00 0	92 53	45	4.3 17.0	45
27	89 69	0.00 0	94 49	70	2.7 10.0	45
28	90 69	0.00 0	95 41	100	2.1 10.0	0
29	92 69	0.00 0	96 48	132	3.3 18.0	270
30	92 73	1.61 3	95 53	159	3.3 22.0	270
31	88 72	0.01 1	98 58	49	1.8 10.0	135

Average High Temp 89.4
Average Low Temp 72.3
Rainfall Total 15.55

Georgia Forestry Commission Automated Weather Data
September 2013

24 Hours Midnight to Midnight

Day	Temp	Rain	Rel-Hum	KB-	Wind-Spd	Pre
	Max Min	Day Dur	Max Min	DI	Avg Max Dir	
1	89 74	0.00 0	97 62	78	3.8 14.0	180
2	90 74	0.00 0	97 57	106	4.3 20.0	270
3	87 72	0.00 0	98 63	134	3.3 12.0	270
4	94 72	0.00 0	97 47	160	2.6 12.0	225
5	91 73	0.08 1	96 55	186	2.5 13.0	225
6	90 71	0.00 0	96 50	211	2.6 17.0	45
7	90 70	0.00 0	96 44	232	2.3 12.0	45
8	92 68	0.00 0	97 41	254	1.4 10.0	0
9	90 70	0.00 0	96 47	276	2.4 13.0	180
10	89 69	0.00 0	96 46	294	5.2 19.0	90
11	90 72	0.00 0	94 49	312	4.8 17.0	90
12	92 69	0.00 0	96 39	330	1.9 10.0	45
13	92 68	0.00 0	96 39	350	2.6 11.0	315
14	90 70	0.00 0	91 38	366	2.5 11.0	45
15	92 68	0.00 0	95 50	382	4.0 12.0	90
16	92 71	0.01 1	95 51	397	2.2 12.0	90
17	89 72	0.32 1	96 54	400	5.7 18.0	90
18	85 68	0.00 0	88 52	411	5.6 17.0	90
19	87 65	0.00 0	93 43	422	3.9 14.0	45
20	88 67	0.00 0	96 47	434	2.9 13.0	135
21	84 69	0.22 7	95 64	444	3.8 29.0	180
22	78 69	0.16 8	96 78	438	0.2 6.0	45
23	80 72	0.32 6	96 76	413	1.9 15.0	90
24	80 72	0.02 2	93 73	422	1.5 14.0	90
25	86 71	0.20 4	96 57	433	2.0 13.0	45
26	75 66	0.00 0	96 71	441	0.7 12.0	45
27	81 62	0.00 0	97 42	450	3.8 16.0	45
28	80 59	0.00 0	95 43	458	4.4 20.0	45
29	82 58	0.00 0	95 50	466	3.2 13.0	45
30	75 62	0.00 0	95 63	474	3.2 13.0	90

Average High Temp 86.7
Average Low Temp 68.8
Rainfall Total 1.33

Georgia Forestry Commission Automated Weather Data
October 2013

24 Hours Midnight to Midnight

Day	Temp	Rain	Rel-Hum	KB-	Wind-Spd	Pre
-----	------	------	---------	-----	----------	-----

Max Min Day Dur Max Min DI Avg Max Dir

1	85	64	0.06	1	91	50	483	3.3	12.0	90
2	84	62	0.00	0	96	44	492	3.2	14.0	90
3	87	62	0.00	0	99	48	501	3.1	12.0	90
4	90	67	0.00	0	100	48	511	3.3	12.0	45
5	89	67	0.00	0	100	46	520	3.0	13.0	90
6	85	68	0.00	0	99	59	528	4.3	20.0	90
7	84	70	0.05	2	99	66	535	3.3	13.0	90
8	83	61	0.00	0	88	62	540	5.2	16.0	90
9	75	60	0.00	0	99	64	545	4.3	15.0	45
10	84	55	0.00	0	100	39	551	2.0	13.0	315
11	85	55	0.00	0	100	40	558	2.2	16.0	315
12	85	56	0.00	0	99	39	565	2.7	15.0	315
13	85	55	0.00	0	99	40	572	2.3	12.0	45
14	80	61	0.00	0	100	57	576	3.5	15.0	45
15	78	62	0.00	0	99	57	580	5.0	15.0	45
16	84	60	0.00	0	99	45	585	2.3	10.0	0
17	85	60	0.00	0	99	47	591	3.2	16.0	225
18	72	68	0.05	3	99	91	596	2.2	10.0	0
19	75	63	0.18	4	99	75	600	2.4	11.0	0
20	79	60	0.00	0	98	48	604	2.8	14.0	45
21	73	60	0.00	0	98	80	608	2.4	9.0	45
22	71	64	0.04	4	100	89	611	2.4	7.0	45
23	75	53	0.00	0	100	28	614	4.7	20.0	315
24	75	42	0.00	0	98	25	616	2.3	11.0	90
25	68	41	0.00	0	99	22	618	2.8	15.0	45
26	70	36	0.00	0	96	26	620	2.3	10.0	45
27	77	40	0.00	0	99	33	623	1.2	9.0	45
28	81	51	0.00	0	99	35	626	1.6	11.0	45
29	82	50	0.00	0	100	36	630	2.7	16.0	90
30	83	54	0.00	0	98	33	634	3.5	14.0	135
31	83	63	0.00	0	90	47	638	7.0	20.0	180

Average High Temp 80.4
Average Low Temp 57.7
Rainfall Total 0.38

Georgia Forestry Commission Automated Weather Data
November 2013

24 Hours Midnight to Midnight

Day	Temp	Rain	Rel-Hum	KB-	Wind-Spd	Pre
	Max Min	Day Dur	Max Min	DI	Avg Max Dir	
1	78 67	1.08 6	98 79	641	6.6 21.0	225
2	76 54	0.00 0	99 34	557	3.8 18.0	315
3	69 44	0.00 0	98 33	560	3.2 18.0	45
4	72 42	0.00 0	99 48	563	6.8 25.0	90

5	71	53	0.00	0	69	46	566	7.4	20.0	90
6	75	60	0.00	0	99	65	570	4.9	15.0	90
7	76	53	0.00	0	100	61	574	3.2	16.0	315
8	66	39	0.00	0	94	33	576	3.8	16.0	45
9	73	41	0.00	0	97	49	578	3.8	15.0	45
10	75	51	0.00	0	98	37	581	2.3	11.0	45
11	77	45	0.00	0	99	34	584	2.0	11.0	45
12	76	45	0.00	0	99	23	587	3.5	22.0	0
13	54	31	0.00	0	83	19	588	5.8	22.0	45
14	67	28	0.00	0	92	44	589	3.6	16.0	90
15	67	53	0.00	0	99	72	591	5.3	16.0	90
16	76	51	0.00	0	100	58	594	4.9	15.0	90
17	78	66	0.01	1	97	73	598	5.8	17.0	135
18	77	61	0.70	4	99	54	553	4.7	12.0	225
19	67	44	0.00	0	92	35	555	3.9	18.0	45
20	64	51	0.00	0	75	58	557	6.5	18.0	90
21	71	55	0.00	0	90	64	560	5.3	15.0	90
22	77	59	0.00	0	100	66	564	4.1	15.0	90
23	66	57	0.09	3	100	58	567	3.3	14.0	315
24	57	41	0.00	0	59	29	568	6.0	18.0	45
25	58	38	0.00	0	83	46	569	8.2	21.0	90
26	71	51	1.63	15	98	84	531	8.5	26.0	135
27	50	34	0.03	2	98	48	426	7.3	23.0	315
28	52	27	0.00	0	97	39	427	2.7	12.0	45
29	61	30	0.00	0	98	30	429	2.5	13.0	90
30	63	35	0.00	0	96	52	431	3.2	13.0	45

Average High Temp 68.7

Average Low Temp 46.9

Rainfall Total 3.54

Georgia Forestry Commission Automated Weather Data
December 2013

Day	Temp		Rain	Rel-Hum	KB-	Wind-Spd	Pre
	Max	Min					
1	61	42	0.00	0	99	69 434	2.2 9.0 45
2	71	48	0.00	0	99	42 438	2.7 18.0 90
3	73	49	0.01	1	99	65 442	4.3 17.0 180
4	76	64	0.13	3	100	72 448	4.9 21.0 180
5	81	67	0.00	0	99	66 455	6.3 19.0 180
6	81	65	0.00	0	95	60 462	6.6 21.0 180
7	71	58	0.29	6	99	83 458	4.2 15.0 315
8	79	56	0.00	0	99	65 462	5.6 15.0 45
9	81	65	0.05	2	99	61 467	6.0 21.0 225
10	71	43	0.00	0	96	65 466	6.3 24.0 315
11	65	36	0.00	0	89	48 468	3.7 14.0 45
12	61	34	0.00	0	96	20 470	2.5 13.0 0

13	63	30	0.00	0	96	44	472	2.7	11.0	90
14	69	52	0.18	4	100	79	476	6.8	21.0	180
15	63	38	0.13	4	99	66	466	4.7	20.0	315
16	61	30	0.00	0	98	36	468	1.7	12.0	315
17	66	31	0.00	0	98	27	471	2.6	15.0	270
18	62	34	0.00	0	98	29	473	2.1	12.0	0
19	69	30	0.00	0	98	23	476	2.2	15.0	135
20	75	38	0.00	0	99	55	480	3.1	15.0	90
21	76	56	0.00	0	98	73	486	8.2	27.0	180
22	78	68	0.00	0	93	77	492	9.0	24.0	180
23	72	50	1.26	12	98	84	418	5.0	29.0	315
24	56	33	0.00	0	91	29	390	4.8	19.0	315
25	53	29	0.00	0	91	58	391	3.9	14.0	90
26	49	44	0.00	0	89	70	393	3.8	13.0	45
27	60	45	0.00	0	91	45	395	3.5	12.0	45
28	57	48	0.05	2	99	51	398	6.5	16.0	90
29	63	46	1.54	4	100	73	264	5.8	21.0	315
30	59	40	0.00	0	99	59	267	1.4	8.0	0
31	52	47	0.00	0	96	75	269	2.4	9.0	0

Average High Temp 66.9
 Average Low Temp 45.7
 Rainfall Total 3.64

Georgia Forestry Commission Automated Weather Data
January 2014

6 cold
104 Hot

24 Hours Midnight to Midnight
Day Temp Rain Rel-Hum KB- Wind-Spd Pre
Max Min Day Dur Max Min DI Avg Max Dir

1	53	45	0.07	3	98	85	307	3.2	10.0	45
2	58	41	0.35	11	100	57	296	5.4	26.0	315
3	43	27	0.00	0	87	34	289	5.6	22.0	45
4	56	26	0.00	0	92	58	291	4.3	16.0	45
5	63	45	0.00	0	97	64	295	4.4	13.0	45
6	63	27	0.22	2	97	31	293	9.1	29.0	315
7	32	18	0.00	0	57	30	293	4.3	16.0	315
8	49	19	0.00	0	81	21	294	4.0	14.0	45
9	59	43	0.03	1	97	37	296	5.4	16.0	90
10	66	51	0.14	6	100	95	300	3.2	12.0	45
11	70	56	0.21	5	100	48	293	8.7	28.0	225
12	66	38	0.00	0	98	25	292	2.8	14.0	90
13	68	38	0.35	6	98	39	296	4.1	16.0	135
14	67	42	0.08	5	100	35	277	4.5	20.0	315
15	59	36	0.00	0	99	44	280	4.3	19.0	315
16	49	28	0.00	0	77	23	281	3.3	16.0	270
17	63	33	0.00	0	84	25	284	7.4	25.0	270
18	51	28	0.00	0	68	17	285	5.0	17.0	315
19	62	38	0.01	1	93	32	287	5.3	23.0	225
20	66	31	0.00	0	97	25	291	3.0	17.0	225
21	64	37	0.00	0	100	28	293	7.8	30.0	315
22	46	27	0.00	0	79	19	294	4.9	20.0	315
23	49	27	0.00	0	91	27	295	2.2	12.0	0
24	40	29	0.00	0	48	17	295	4.5	16.0	45
25	51	29	0.00	0	97	41	297	6.1	27.0	225
26	60	34	0.00	0	100	28	300	2.5	14.0	135
27	71	48	0.03	2	100	50	304	4.5	19.0	225
28	55	33	0.37	10	100	42	304	4.1	12.0	0
29	34	27	0.00	0	95	69	284	4.8	14.0	0
30	44	26	0.01	1	91	38	283	4.5	15.0	45
31	57	29	0.00	0	100	60	286	3.1	10.0	45

Average High Temp 55.9
Average Low Temp 34.1
Rainfall Total 1.87

Georgia Forestry Commission Automated Weather Data
February 2014

24 Hours Midnight to Midnight										
Day	Temp		Rain		Rel-Hum		KB-	Wind-Spd		Pre
	Max	Min	Day	Dur	Max	Min	DI	Avg	Max	Dir
1	58	45	0.18	4	100	88	290	2.5	8.0	45
2	76	54	0.00	0	100	51	297	5.0	13.0	180
3	69	62	0.06	3	100	80	304	5.0	19.0	225
4	81	60	0.12	2	100	42	311	4.4	16.0	180
5	71	44	0.05	1	97	41	313	8.1	25.0	315
6	45	35	0.07	5	92	54	314	4.1	16.0	45
7	59	34	0.00	0	99	42	316	2.9	16.0	45
8	64	44	0.19	6	99	47	312	2.8	18.0	0
9	69	38	0.00	0	100	41	317	2.4	17.0	90
10	71	42	0.00	0	100	51	321	3.0	15.0	270
11	60	44	0.00	0	87	67	324	5.4	16.0	45
12	43	36	2.24	15	98	89	165	8.9	27.0	90
13	55	35	0.00	0	97	34	124	6.9	22.0	315
14	62	32	0.00	0	98	38	128	5.2	22.0	225
15	57	37	0.13	2	93	36	130	6.9	34.0	315
16	67	32	0.00	0	99	28	135	3.2	15.0	180
17	72	39	0.00	0	99	32	143	3.1	14.0	225
18	74	55	0.00	0	91	60	151	3.5	12.0	225
19	78	48	0.00	0	97	43	162	4.3	17.0	225
20	80	56	0.00	0	100	47	174	6.8	25.0	180
21	70	49	0.79	4	100	34	121	5.6	33.0	315
22	72	41	0.00	0	93	22	128	2.4	39.0	90
23	63	46	0.49	7	100	79	113	3.3	14.0	225
24	74	56	0.02	2	100	40	113	3.2	14.0	270
25	77	47	0.00	0	100	36	123	2.5	15.0	45
26	57	44	0.58	11	100	70	97	3.8	16.0	315
27	54	35	0.00	0	92	22	90	4.1	15.0	315
28	64	28	0.00	0	99	19	94	2.3	12.0	45

Average High Temp 65.8
 Average Low Temp 43.5
 Rainfall Total 4.92

Georgia Forestry Commission Automated Weather Data
 March 2014

24 Hours Midnight to Midnight										
Day	Temp		Rain		Rel-Hum		KB-	Wind-Spd		Pre
	Max	Min	Day	Dur	Max	Min	DI	Avg	Max	Dir
1	71	41	0.00	0	90	29	101	2.8	12.0	90
2	76	41	0.00	0	97	29	111	3.8	15.0	225
3	74	46	0.05	1	100	65	119	8.5	26.0	225
4	45	42	0.00	0	96	78	121	5.5	19.0	90
5	51	39	0.17	5	98	78	121	4.8	12.0	45

6	50	39	1.06	15	99	89	39	7.4	20.0	90
7	53	38	0.02	2	99	67	17	3.5	13.0	0
8	68	36	0.00	0	100	47	25	2.5	13.0	270
9	74	46	0.00	0	100	41	35	2.9	14.0	225
10	78	47	0.00	0	100	36	48	3.7	17.0	270
11	78	51	0.02	1	100	40	60	3.7	16.0	225
12	74	49	0.17	3	100	55	75	10.4	27.0	270
13	62	40	0.00	0	86	23	79	5.4	21.0	315
14	69	34	0.00	0	100	22	86	3.8	16.0	180
15	74	40	0.00	0	96	44	95	2.6	11.0	180
16	69	57	2.12	11	100	70	102	6.7	36.0	135
17	64	58	0.17	9	100	92	7	4.3	12.0	135
18	59	46	0.30	5	100	74	7	5.1	16.0	45
19	70	53	0.00	0	96	48	18	4.0	12.0	90
20	76	48	0.00	0	100	40	30	2.6	15.0	270
21	77	45	0.00	0	100	27	43	2.8	14.0	90
22	79	55	0.00	0	96	32	57	3.0	12.0	315
23	74	54	0.00	0	100	54	69	4.8	15.0	315
24	67	53	0.00	0	77	43	74	6.8	20.0	135
25	64	46	0.00	0	92	18	82	8.1	29.0	315
26	58	35	0.00	0	85	17	86	3.4	19.0	45
27	68	40	0.00	0	89	32	94	6.1	19.0	135
28	65	58	1.18	8	100	74	103	6.3	29.0	135
29	75	58	0.32	3	100	53	17	8.2	27.0	270
30	70	47	0.00	0	79	27	26	6.3	22.0	315
31	79	41	0.00	0	100	17	39	2.3	14.0	90

Average High Temp 68.1
Average Low Temp 45.9
Rainfall Total 5.58

Georgia Forestry Commission Automated Weather Data
April 2014

24 Hours Midnight to Midnight

Day	Temp	Rain	Rel-Hum	KB-	Wind-Spd	Pre
	Max Min	Day Dur	Max Min	DI	Avg Max Dir	
1	83 45	0.00	0 100	21 55	3.1 16.0	225
2	82 47	0.00	0 100	33 73	3.5 16.0	225
3	85 54	0.00	0 100	34 93	4.9 18.0	180
4	82 61	0.00	0 100	37 110	5.3 17.0	225
5	77 63	0.00	0 97	59 122	3.0 10.0	270
6	67 62	0.29	7 100	89 127	5.3 21.0	90
7	74 65	1.16	5 100	79 137	6.7 18.0	180
8	68 53	0.00	0 100	46 31	6.4 24.0	270
9	72 50	0.00	0 96	34 40	5.1 21.0	270
10	77 45	0.00	0 100	26 53	3.2 13.0	225
11	78 50	0.00	0 99	38 67	3.3 17.0	90
12	84 53	0.00	0 100	39 83	3.0 12.0	180

13	83	62	0.00	0	94	36	100	4.7	15.0	180
14	81	65	0.00	0	87	52	115	7.0	19.0	180
15	69	46	0.73	8	100	61	69	6.2	25.0	315
16	65	38	0.00	0	80	36	76	7.1	23.0	90
17	67	51	0.00	0	78	63	84	10.0	22.0	90
18	61	55	3.21	19	100	69	7	6.9	23.0	90
19	60	53	0.11	8	100	89	6	5.2	16.0	0
20	64	53	0.00	0	100	74	10	3.8	14.0	45
21	79	48	0.00	0	100	36	23	2.1	11.0	90
22	80	54	0.00	0	100	45	40	3.5	20.0	270
23	84	59	0.00	0	100	41	57	2.9	14.0	270
24	87	62	0.00	0	100	35	75	3.7	15.0	225
25	84	65	0.00	0	98	50	92	6.8	22.0	270
26	85	62	0.00	0	100	36	112	2.7	12.0	90
27	82	62	0.00	0	100	54	131	3.3	15.0	180
28	86	63	0.00	0	100	54	151	6.6	19.0	180
29	72	65	0.97	8	100	78	98	6.1	25.0	180
30	72	65	1.86	8	100	71	21	6.3	34.0	225

Average High Temp 76.3
Average Low Temp 55.9
Rainfall Total 8.33

Georgia Forestry Commission Automated Weather Data
May 2014

24 Hours Midnight to Midnight

Day	Temp	Rain	Rel-Hum	KB-	Wind-Spd	Pre
	Max Min	Day Dur	Max Min	DI	Avg Max Dir	
1	66 58	1.04	6 100	78 13	3.3 14.0	270
2	69 58	0.01	1 100	57 18	2.8 10.0	45
3	77 56	0.00	0 100	30 33	3.1 15.0	315
4	86 53	0.00	0 100	26 55	2.3 13.0	180
5	89 57	0.00	0 99	29 81	3.5 13.0	270
6	87 58	0.00	0 100	28 104	3.8 17.0	225
7	89 56	0.00	0 100	35 128	2.9 15.0	225
8	89 62	0.00	0 100	36 149	4.6 16.0	180
9	84 67	0.00	0 98	48 167	5.2 17.0	180
10	85 67	0.91	6 100	51 183	4.1 19.0	180
11	88 68	0.00	0 100	45 132	4.1 22.0	90
12	85 66	0.00	0 100	49 154	3.2 11.0	135
13	88 65	0.00	0 100	47 174	4.8 14.0	90
14	86 69	0.42	4 100	56 189	7.2 24.0	135
15	69 56	1.30	8 100	59 50	5.3 20.0	315
16	77 49	0.00	0 98	32 65	5.3 25.0	315
17	80 51	0.00	0 100	35 83	2.5 14.0	135
18	85 59	0.00	0 100	36 103	2.9 15.0	270
19	85 60	0.00	0 100	40 120	3.4 11.0	45
20	86 63	0.00	0 100	41 138	4.1 13.0	135

21	88	66	0.00	0	98	43	161	4.4	15.0	270
22	91	66	0.00	0	100	32	187	5.0	20.0	270
23	93	65	0.00	0	98	36	213	3.3	17.0	315
24	93	66	0.00	0	100	34	238	2.2	12.0	45
25	93	68	0.00	0	100	33	258	3.6	25.0	45
26	91	68	0.00	0	94	39	276	5.3	25.0	180
27	86	66	0.01	1	100	54	293	3.2	11.0	180
28	88	68	0.00	0	100	48	310	3.3	14.0	180
29	89	68	0.18	1	100	45	328	4.1	20.0	180
30	88	67	0.11	2	100	52	345	4.3	18.0	135
31	88	68	0.14	3	100	51	351	4.2	18.0	135

Average High Temp 85.1
Average Low Temp 62.4
Rainfall Total 4.12

Georgia Forestry Commission Automated Weather Data
June 2014

24 Hours Midnight to Midnight

Day	Temp	Rain	Rel-Hum	KB-	Wind-Spd	Pre
	Max Min	Day Dur	Max Min	DI	Avg Max Dir	

1	85	71	0.00	0	100	59	352	9.3	31.0	90
2	82	68	0.00	0	85	58	363	6.8	20.0	90
3	83	68	0.00	0	96	52	377	3.4	11.0	135
4	90	64	0.00	0	100	44	393	3.5	13.0	225
5	91	69	0.00	0	100	43	410	4.8	17.0	270
6	94	70	0.89	2	98	43	426	5.8	24.0	270
7	90	69	0.08	1	97	58	366	4.5	25.0	270
8	91	69	0.10	3	100	56	376	4.4	24.0	315
9	91	71	0.00	0	100	50	394	5.5	19.0	225
10	92	71	0.21	4	100	46	411	6.1	29.0	225
11	86	71	0.07	2	99	49	417	6.7	21.0	225
12	90	71	0.00	0	97	40	432	5.4	19.0	270
13	86	71	0.00	0	98	53	446	4.8	20.0	270
14	89	68	0.00	0	100	44	459	4.0	13.0	270
15	92	70	0.00	0	100	36	473	4.0	13.0	225
16	93	69	0.03	1	100	45	486	3.4	18.0	90
17	93	72	0.00	0	100	35	499	3.8	15.0	90
18	93	71	0.00	0	100	38	511	2.4	13.0	90
19	93	72	0.03	1	98	44	523	3.4	17.0	225
20	95	71	0.04	2	100	46	536	3.6	19.0	270
21	95	72	0.04	2	97	44	549	4.3	28.0	270
22	92	72	0.22	7	99	49	560	5.7	27.0	270
23	90	70	0.00	0	100	50	557	3.6	24.0	225
24	86	71	0.48	4	100	64	566	3.3	19.0	315
25	90	70	0.00	0	100	51	550	4.7	16.0	270
26	89	72	0.00	0	100	50	561	3.8	14.0	270
27	92	75	0.00	0	97	45	572	4.7	18.0	270

28	93	71	0.00	0	99	38	583	2.9	11.0	270
29	95	72	0.00	0	100	42	594	3.1	15.0	315
30	96	75	0.00	0	95	38	604	3.8	18.0	90

Average High Temp 90.6
 Average Low Temp 70.5
 Rainfall Total 2.19

Georgia Forestry Commission Automated Weather Data
 July 2014

24 Hours Midnight to Midnight

Day	Temp	Rain	Rel-Hum	KB-	Wind-Spd	Pre
Max Min	Day Dur	Max Min	DI	Avg	Max Dir	

1	95	71	0.00	0	100	40	614	2.8	15.0	45
2	96	74	0.00	0	98	44	624	2.8	13.0	315
3	96	76	0.00	0	91	37	634	5.3	21.0	315
4	89	66	0.00	0	96	32	641	3.3	16.0	315
5	93	64	0.00	0	100	30	648	4.0	15.0	90
6	92	72	0.00	0	100	39	654	5.1	15.0	90
7	94	71	0.00	0	96	34	660	5.5	18.0	225
8	95	72	0.00	0	96	29	666	5.1	16.0	225
9	95	74	0.00	0	95	37	672	6.0	27.0	225
10	92	72	0.00	0	100	49	677	4.5	24.0	270
11	90	71	0.07	3	100	52	682	2.9	19.0	90
12	93	72	0.17	3	100	48	687	4.3	21.0	90
13	93	72	0.33	2	100	46	688	3.8	23.0	90
14	94	73	0.01	1	100	43	661	4.5	19.0	225
15	89	74	0.19	3	100	62	654	5.0	19.0	225
16	88	71	0.00	0	100	57	653	3.0	14.0	315
17	88	64	0.00	0	100	29	659	2.4	19.0	45
18	90	64	0.00	0	98	41	665	2.6	10.0	180
19	81	74	0.13	3	98	73	669	5.1	17.0	180
20	85	74	0.03	1	100	67	674	4.3	26.0	225
21	79	73	0.43	4	100	82	654	2.9	19.0	135
22	90	71	0.01	1	100	50	659	3.0	15.0	225
23	92	71	0.00	0	100	49	664	3.5	20.0	225
24	90	72	0.11	1	100	54	670	5.5	22.0	225
25	89	73	0.00	0	100	58	675	5.0	23.0	225
26	93	76	0.00	0	100	49	680	4.7	14.0	225
27	95	75	0.00	0	100	45	686	5.5	17.0	270
28	96	74	0.03	1	97	44	692	8.1	23.0	270
29	90	69	0.00	0	100	36	696	3.5	17.0	315
30	89	62	0.00	0	100	32	700	3.0	18.0	90
31	92	62	0.00	0	100	29	704	2.5	14.0	225

Average High Temp 91.1

Average Low Temp 70.9
Rainfall Total 1.51

Georgia Forestry Commission Automated Weather Data
August 2014

24 Hours Midnight to Midnight

Day	Temp	Rain	Rel-Hum	KB-	Wind-Spd	Pre
Max Min	Day Dur	Max Min	DI	Avg	Max Dir	

1	93	70	0.00	0	100	44	708	4.0	15.0	45
2	89	72	0.00	0	96	57	712	4.6	18.0	45
3	89	73	0.00	0	98	57	715	5.0	18.0	45
4	94	71	0.00	0	100	45	718	4.2	18.0	45
5	95	68	0.00	0	100	36	722	2.8	19.0	45
6	96	70	0.00	0	100	40	726	3.6	20.0	315
7	98	72	0.00	0	99	33	730	3.8	17.0	270
8	98	74	0.00	0	95	31	733	4.8	18.0	225
9	97	74	0.00	0	99	37	736	4.6	30.0	270
10	93	73	0.01	1	99	50	739	4.0	23.0	225
11	94	71	0.03	2	100	46	742	3.8	20.0	315
12	94	73	0.04	3	100	46	744	5.1	24.0	270
13	94	73	0.00	0	100	42	746	4.0	16.0	270
14	94	70	0.00	0	96	38	748	2.8	15.0	315
15	94	70	0.00	0	95	34	750	3.5	15.0	270
16	94	67	0.00	0	100	33	752	3.1	17.0	225
17	93	69	0.00	0	100	49	754	5.2	21.0	270
18	93	71	0.03	1	100	50	756	5.1	25.0	225
19	94	72	0.19	1	100	49	758	6.0	31.0	225
20	96	71	0.00	0	100	43	758	4.2	16.0	270
21	97	72	0.03	3	100	44	760	3.4	33.2	270
22	100	71	0.00	0	98	38	762	2.4	13.5	315
23	99	75	0.00	0	97	39	764	2.5	17.1	180
24	99	75	0.14	3	97	41	766	2.9	24.3	45
25	89	71	0.01	1	97	39	767	5.6	20.0	90
26	90	69	0.00	0	88	48	768	5.3	20.0	90
27	91	67	0.00	0	100	35	769	2.7	14.0	45
28	95	62	0.00	0	100	27	770	2.8	18.0	90
29	96	66	0.00	0	98	36	771	4.1	20.0	225
30	95	75	0.07	2	100	42	772	3.6	16.0	180
31	95	74	0.04	2	100	42	773	3.7	14.0	135

Average High Temp 94.5
Average Low Temp 71.0
Rainfall Total 0.59

Georgia Forestry Commission Automated Weather Data
September 2014

24 Hours Midnight to Midnight

Day	Temp	Rain	Rel-Hum	KB-	Wind-Spd	Pre
Max Min	Day Dur	Max Min	DI	Avg	Max Dir	
1	96 72	0.00	0 100	38 774	3.1 24.0	90
2	97 72	0.01	1 100	38 775	4.4 24.0	90
3	89 71	0.22	5 100	67 776	4.6 18.0	315
4	92 72	0.00	0 100	49 774	4.1 17.0	90
5	91 70	0.09	2 100	53 775	3.1 13.0	90
6	89 73	0.74	3 100	61 776	3.3 14.0	225
7	91 72	1.84	8 100	58 717	3.8 25.0	225
8	83 73	0.00	0 100	80 543	3.3 13.0	135
9	88 72	0.00	0 100	55 553	3.5 11.0	90
10	91 73	0.00	0 100	49 562	3.5 11.0	135
11	94 72	0.00	0 100	45 572	2.8 10.0	135
12	95 71	0.00	0 100	46 582	2.9 10.0	90
13	93 72	0.11	2 100	52 591	4.3 17.0	180
14	93 72	0.00	0 100	47 599	3.4 16.0	90
15	89 71	1.16	1 100	60 606	3.7 17.0	45
16	89 72	0.05	2 100	65 520	3.6 17.0	225
17	91 69	0.00	0 100	51 525	2.9 11.0	315
18	90 66	0.00	0 100	34 534	2.7 13.0	45
19	85 69	0.04	2 100	61 542	4.5 17.0	90
20	83 68	0.01	1 100	57 549	4.5 16.0	45
21	88 62	0.00	0 100	35 557	2.3 11.0	180
22	90 61	0.11	5 100	42 565	3.3 16.0	90
23	80 67	0.00	0 100	57 571	5.5 18.0	90
24	73 60	0.00	0 87	64 576	6.4 22.0	45
25	72 62	0.00	0 100	76 581	3.8 12.0	45
26	84 61	0.00	0 100	56 586	4.8 14.0	90
27	75 70	0.00	0 94	78 592	5.7 17.0	90
28	79 72	0.00	0 96	77 597	5.2 14.0	90
29	77 72	0.72	4 100	90 551	4.0 12.0	90
30	78 68	0.00	0 100	72 557	3.5 11.0	45

Average High Temp 86.8
Average Low Temp 69.2
Rainfall Total 5.10

Georgia Forestry Commission Automated Weather Data
October 2014

24 Hours Midnight to Midnight

Day	Temp	Rain	Rel-Hum	KB-	Wind-Spd	Pre
-----	------	------	---------	-----	----------	-----

	Max	Min	Day	Dur	Max	Min	DI	Avg	Max	Dir
1	82	64	0.00	0	100	58	565	2.0	9.0	90
2	89	58	0.00	0	100	49	573	2.4	11.0	90
3	84	71	0.35	3	100	72	567	4.5	39.0	180
4	73	49	0.00	0	99	30	568	4.8	20.0	315
5	73	44	0.00	0	100	25	571	2.6	13.0	315
6	81	47	0.00	0	100	27	576	2.3	10.0	90
7	85	54	0.00	0	100	42	582	2.8	12.0	180
8	87	64	0.00	0	100	45	590	1.8	9.0	0
9	89	62	0.00	0	100	45	598	1.9	10.0	90
10	90	64	0.00	0	100	43	605	3.0	12.0	180
11	89	64	0.00	0	100	41	612	2.7	15.0	315
12	90	65	0.00	0	100	42	619	2.7	14.0	90
13	85	69	0.03	2	100	53	625	5.9	21.0	180
14	77	62	1.41	13	100	75	510	6.7	21.0	180
15	75	54	0.00	0	100	36	512	4.8	21.0	270
16	77	50	0.00	0	100	33	517	4.3	20.0	315
17	81	48	0.00	0	100	30	524	2.3	14.0	225
18	85	52	0.00	0	100	43	531	4.0	16.0	270
19	75	50	0.00	0	100	39	536	3.0	16.0	90
20	80	49	0.00	0	100	49	541	2.4	13.0	0
21	81	54	0.00	0	100	37	547	2.0	12.0	45
22	76	48	0.00	0	100	33	551	3.0	14.0	45
23	75	43	0.00	0	100	32	555	2.7	13.0	45
24	78	48	0.00	0	100	34	559	2.0	10.0	90
25	79	42	0.00	0	100	26	563	2.2	12.0	45
26	86	48	0.00	0	100	40	569	2.2	11.0	315
27	88	54	0.00	0	100	30	576	2.8	12.0	180
28	85	54	0.00	0	100	40	582	2.3	13.0	90
29	83	56	0.00	0	100	50	587	3.9	16.0	225
30	74	48	0.00	0	94	33	590	3.4	14.0	0
31	74	39	0.00	0	98	29	593	3.3	21.0	315

Average High Temp 81.5
Average Low Temp 54.0
Rainfall Total 1.79

Georgia Forestry Commission Automated Weather Data
November 2014

24 Hours Midnight to Midnight										
Day	Temp		Rain	Dur	Rel-Hum		KB-	Wind-Spd		
	Max	Min			Max	Min		DI	Avg	Max Dir
1	58	40	0.00	0	69	36	594	8.4	30.0	315
2	63	30	0.00	0	96	25	595	3.2	12.0	0
3	68	30	0.00	0	98	20	597	3.2	16.0	90
4	76	36	0.00	0	97	43	600	3.3	15.0	90

5	80	51	0.00	0	99	43	604	3.0	16.0	90
6	79	55	0.00	0	100	45	608	5.5	24.0	270
7	66	40	0.00	0	95	35	609	3.4	16.0	315
8	67	38	0.00	0	98	36	611	1.9	10.0	315
9	69	42	0.00	0	98	33	613	2.5	13.0	45
10	76	36	0.00	0	99	28	616	2.2	11.0	45
11	76	36	0.00	0	99	33	619	2.5	14.0	315
12	80	45	0.00	0	98	52	622	2.5	13.0	270
13	60	42	0.00	0	100	74	623	4.8	19.0	315
14	54	33	0.00	0	81	28	624	4.2	15.0	0
15	61	30	0.00	0	88	41	625	3.9	16.0	90
16	74	40	0.00	0	94	55	627	4.6	20.0	180
17	73	41	2.05	5	100	69	445	8.1	38.0	315
18	47	28	0.00	0	80	29	445	5.3	19.0	315
19	53	22	0.00	0	96	23	446	2.5	12.0	90
20	65	26	0.00	0	97	34	448	2.5	11.0	270
21	70	34	0.00	0	100	29	451	3.2	17.0	90
22	67	42	0.25	5	99	56	454	9.2	26.0	90
23	73	60	1.89	14	100	91	315	7.9	40.0	225
24	73	61	0.48	12	100	91	252	5.8	19.0	225
25	61	46	1.06	16	100	91	158	3.9	14.0	45
26	61	44	0.27	6	100	26	105	5.2	17.0	315
27	58	42	0.00	0	87	37	108	5.2	19.0	315
28	54	31	0.00	0	98	33	110	2.8	13.0	0
29	66	32	0.00	0	100	28	115	2.5	10.0	90
30	74	38	0.00	0	100	42	123	2.6	13.0	90

Average High Temp 66.7

Average Low Temp 39.0

Rainfall Total 6.00

Georgia Forestry Commission Automated Weather Data
December 2014

24 Hours Midnight to Midnight										
Day	Temp		Rain	Rel-Hum		KB-	Wind-Spd		Pre	
	Max	Min	Day Dur	Max	Min	DI	Avg	Max	Dir	
1	78	44	0.00	0	100	38	132	1.4	9.0	90
2	78	52	0.00	0	100	47	142	2.3	11.0	90
3	79	52	0.00	0	100	51	152	1.4	9.0	90
4	79	54	0.00	0	100	43	162	2.8	11.0	90
5	65	52	0.00	0	100	86	171	5.5	14.0	90
6	74	62	0.10	1	100	71	181	5.2	20.0	270
7	63	48	0.00	0	96	53	185	5.4	17.0	45
8	55	45	0.00	0	74	61	187	6.3	20.0	90
9	60	36	0.00	0	100	36	190	3.6	21.0	0
10	56	34	0.00	0	94	39	192	3.4	15.0	0
11	58	34	0.00	0	96	33	194	3.8	15.0	315
12	64	27	0.00	0	99	22	197	1.8	10.0	270

13	68	29	0.00	0	100	16	201	2.5	14.0	315
14	66	29	0.00	0	99	33	205	2.0	11.0	270
15	69	31	0.00	0	100	36	210	2.0	10.0	225
16	74	44	0.00	0	100	37	217	6.1	21.0	225
17	63	36	0.00	0	99	45	220	2.2	15.0	315
18	65	40	0.00	0	100	28	224	1.9	9.0	270
19	62	41	0.02	1	97	40	228	2.3	10.0	90
20	58	49	0.07	4	100	82	232	3.5	14.0	45
21	54	52	0.10	6	100	97	235	5.5	14.2	90
22	58	50	0.92	7	100	100	151	4.8	16.0	90
23	66	58	3.24	15	100	97	11	7.5	26.7	135
24	72	54	1.71	10	100	78	8	9.7	40.0	225
25	59	41	0.00	0	100	43	12	4.7	17.0	315
26	64	37	0.00	0	100	46	17	2.5	11.0	90
27	72	42	0.00	0	100	55	24	3.5	19.0	135
28	77	55	0.00	0	100	66	37	5.4	19.0	225
29	67	54	1.10	8	100	98	8	3.4	20.0	0
30	63	51	0.00	0	100	66	15	3.2	13.0	0
31	52	43	0.00	0	100	79	19	5.5	16.0	45

Average High Temp 65.7
 Average Low Temp 44.4
 Rainfall Total 7.26

National Climatic Data Center

[Home](#) [Contact Us](#) [About NCDC](#) [Help](#)

NCDC > Storm Events Database (Select State) > (Select Date/County/Event)

Storm Events Database

Data Access

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

Documentation

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

External Resources

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

Storm Events Database

Search Results for Lowndes County, Georgia

Event Types: **Heat**

Lowndes county contains the following zones:

'Lowndes'

2 events were reported between 01/01/1950 and 12/31/2014 (23741 days)

Summary Info:

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

Column Definitions:

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

Click on **Location** below to display detailsAvailable Event Types have changed over time. Please refer to the [Database Details](#) for more information.Sort By: **Date/Time (Oldest)** ▼

Location	County/Zone	St.	Date	Time	T.Z.	Type	Mag	Dth	Inj	PrD	CrD
Totals:								0	0	0.00K	0.00K
LOWNDES (ZONE)	LOWNDES (ZONE)	GA	07/30/2010	18:00	EST-5	Heat		0	0	0.00K	0.00K
LOWNDES (ZONE)	LOWNDES (ZONE)	GA	07/31/2010	12:00	EST-5	Heat		0	0	0.00K	0.00K
Totals:								0	0	0.00K	0.00K

[Privacy Policy](#) | [FOIA](#) | [Information Quality](#) | [Disclaimer](#) | [Contact Us](#)

National Climatic Data Center

[Home](#) [Contact Us](#) [About NCDC](#) [Help](#)

NCDC > Storm Events Database (Select State) > (Select Date/County/Event)

Storm Events Database

Data Access

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

Documentation

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

External Resources

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

Storm Events Database

Search Results for Lowndes County, Georgia

Event Types: **Excessive Heat**

Lowndes county contains the following zones:

'Lowndes'

0 events were reported between 01/01/1950 and 12/31/2014 (23741 days)

Summary Info:

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

Column Definitions:

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

Click on **Location** below to display details.Available Event Types have changed over time. Please refer to the [Database Details](#) for more information.Sort By: **Date/Time (Oldest)** ▼

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

[Privacy Policy](#) | [FOIA](#) | [Information Quality](#) | [Disclaimer](#) | [Contact Us](#)

National Climatic Data Center

[Home](#) [Contact Us](#) [About NCDC](#) [Help](#)

NCDC > Storm Events Database (Select State) > (Select Date/County/Event)

Storm Events Database

Data Access

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

Documentation

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

External Resources

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

Storm Events Database

Search Results for Lowndes County, Georgia

Event Types: **Winter Storm**

Lowndes county contains the following zones:

'Lowndes'

1 events were reported between 01/01/1950 and 12/31/2014 (23741 days)

Summary Info:

Number of County/Zone areas affected:	1
Number of Days with Event:	1
Number of Days with Event and Death:	0
Number of Days with Event and Death or Injury:	0
Number of Days with Event and Property Damage:	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 detailsAvailable 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	50.00K	0.00K
LOWNDES (ZONE)	LOWNDES (ZONE)	GA	01/28/2014	16:00	EST-5	Winter Storm		0	0	50.00K	0.00K
Totals:								0	0	50.00K	0.00K

[Privacy Policy](#) | [FOIA](#) | [Information Quality](#) | [Disclaimer](#) | [Contact Us](#)

National Climatic Data Center

[Home](#) [Contact Us](#) [About NCDC](#) [Help](#)

NCDC > Storm Events Database (Select State) > (Select Date/County/Event)

Storm Events Database

Data Access

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

Documentation

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

External Resources

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

Storm Events Database

Search Results for Lowndes County, Georgia

Event Types: **Cold/Wind Chill**

Lowndes county contains the following zones:

'Lowndes'

0 events were reported between 01/01/1950 and 12/31/2014 (23741 days)

Summary Info:

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

Data Export: (current results)



Column Definitions:

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

Click on **Location** below to display detailsAvailable Event Types have changed over time. Please refer to the [Database Details](#) for more information.Sort By: **Date/Time (Oldest)** ▼

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

[Privacy Policy](#) | [FOIA](#) | [Information Quality](#) | [Disclaimer](#) | [Contact Us](#)

National Climatic Data Center

[Home](#) [Contact Us](#) [About NCDC](#) [Help](#)

NCDC > Storm Events Database (Select State) > (Select Date/County/Event)

Storm Events Database

Data Access

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

Documentation

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

External Resources

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

Storm Events Database

Search Results for Lowndes County, Georgia

Event Types: **Frost/Freeze**

Lowndes county contains the following zones:

'Lowndes'

0 events were reported between 01/01/1950 and 12/31/2014 (23741 days)

Summary Info:

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

Column Definitions:

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

Click on **Location** below to display detailsAvailable Event Types have changed over time. Please refer to the [Database Details](#) for more informationSort By: Date/Time (Oldest) ▼

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

[Privacy Policy](#) | [FOIA](#) | [Information Quality](#) | [Disclaimer](#) | [Contact Us](#)

National Climatic Data Center

[Home](#) [Contact Us](#) [About NCDC](#) [Help](#)

NCDC > Storm Events Database (Select State) > (Select Date/County/Event)

Storm Events Database

Data Access

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

Documentation

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

External Resources

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

Storm Events Database

Search Results for Lowndes County, Georgia

Event Types: **Heavy Snow**

Lowndes county contains the following zones:

'Lowndes'

0 events were reported between 01/01/1950 and 12/31/2014 (23741 days)

Summary Info:

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

Data Export: (current results)



Column Definitions:

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

Click on **Location** below to display detailsAvailable Event Types have changed over time. Please refer to the [Database Details](#) for more information.Sort By: **Date/Time (Oldest)** ▼

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

[Privacy Policy](#) | [FOIA](#) | [Information Quality](#) | [Disclaimer](#) | [Contact Us](#)

National Climatic Data Center

[Home](#) [Contact Us](#) [About NCDC](#) [Help](#)

NCDC > Storm Events Database (Select State) > (Select Date/County/Event)

Storm Events Database

Data Access

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

Documentation

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

External Resources

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

Storm Events Database

Search Results for Lowndes County, Georgia

Event Types: **Ice Storm**

Lowndes county contains the following zones:

'Lowndes'

0 events were reported between 01/01/1950 and 12/31/2014 (23741 days)

Summary Info:

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

Data Export: (current results)



Column Definitions:

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

Click on **Location** below to display details.Available Event Types have changed over time. Please refer to the [Database Details](#) for more information.Sort By: **Date/Time (Oldest)** ▼

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

[Privacy Policy](#) | [FOIA](#) | [Information Quality](#) | [Disclaimer](#) | [Contact Us](#)

National Climatic Data Center

[Home](#) [Contact Us](#) [About NCDC](#) [Help](#)

NCDC > Storm Events Database (Select State) > (Select Date/County/Event)

Storm Events Database

Data Access

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

Documentation

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

External Resources

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

Storm Events Database

Search Results for Lowndes County, Georgia

Event Types: **Winter Weather**

Lowndes county contains the following zones:

'Lowndes'

0 events were reported between 01/01/1950 and 12/31/2014 (23741 days)

Summary Info:

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

Data Export: (current results)



Column Definitions:

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

Click on **Location** below to display details

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

Sort By: Date/Time (Oldest)

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

[Privacy Policy](#) | [FOIA](#) | [Information Quality](#) | [Disclaimer](#) | [Contact Us](#)



GEMA Worksheet #3a
Jurisdiction: Lowndes
Hazard: Extreme Heat/Cold

Inventory of Assets

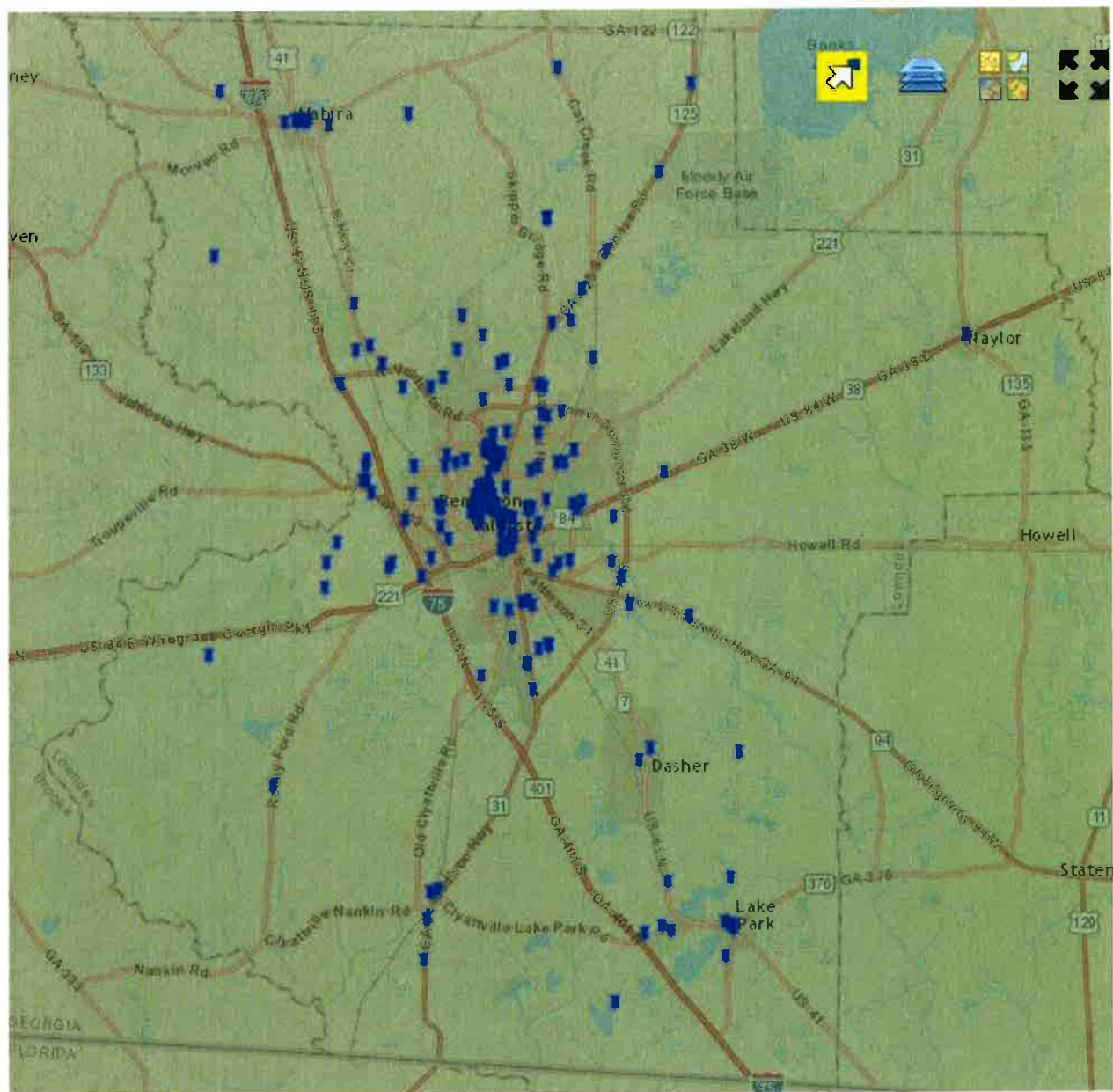
Task A. Determine the proportion of buildings, the value of buildings, and the population in your community or state that are located in hazard areas.

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	31,847	31,847	100.000%	2,755,703,596	2,755,703,596	100.000%	112,515	112,515	100%
Commercial	3,742	3,742	100.000%	1,184,803,804	1,184,803,804	100.000%	0	0	0%
Industrial	364	364	100.000%	226,661,336	226,661,336	100.000%	0	0	0%
Agricultural	1,237	1,237	100.000%	119,283,276	119,283,276	100.000%	0	0	0%
Religious/ Non-profit	401	401	100.000%	155,502,640	155,502,640	100.000%	0	0	0%
Government	338	338	100.000%	239,948,753	239,948,753	100.000%	0	0	0%
Education	83	83	100.000%	112,974,247	112,974,247	100.000%	0	0	0%
Utilities	111	111	100.000%	15,186,185	15,186,185	100.000%	0	0	0%
Total	38,123	38,123	100.000%	4,810,063,837	4,810,063,837	100.000%	112,515	112,515	100%

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

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

PLEASE SEE
GMIS CRITICAL FACILITIES DATA IN
APPENDIX A PART III
FOR HAZARD AMOUNTS



GMIS Critical Facilities Map – Extreme Heat/Cold

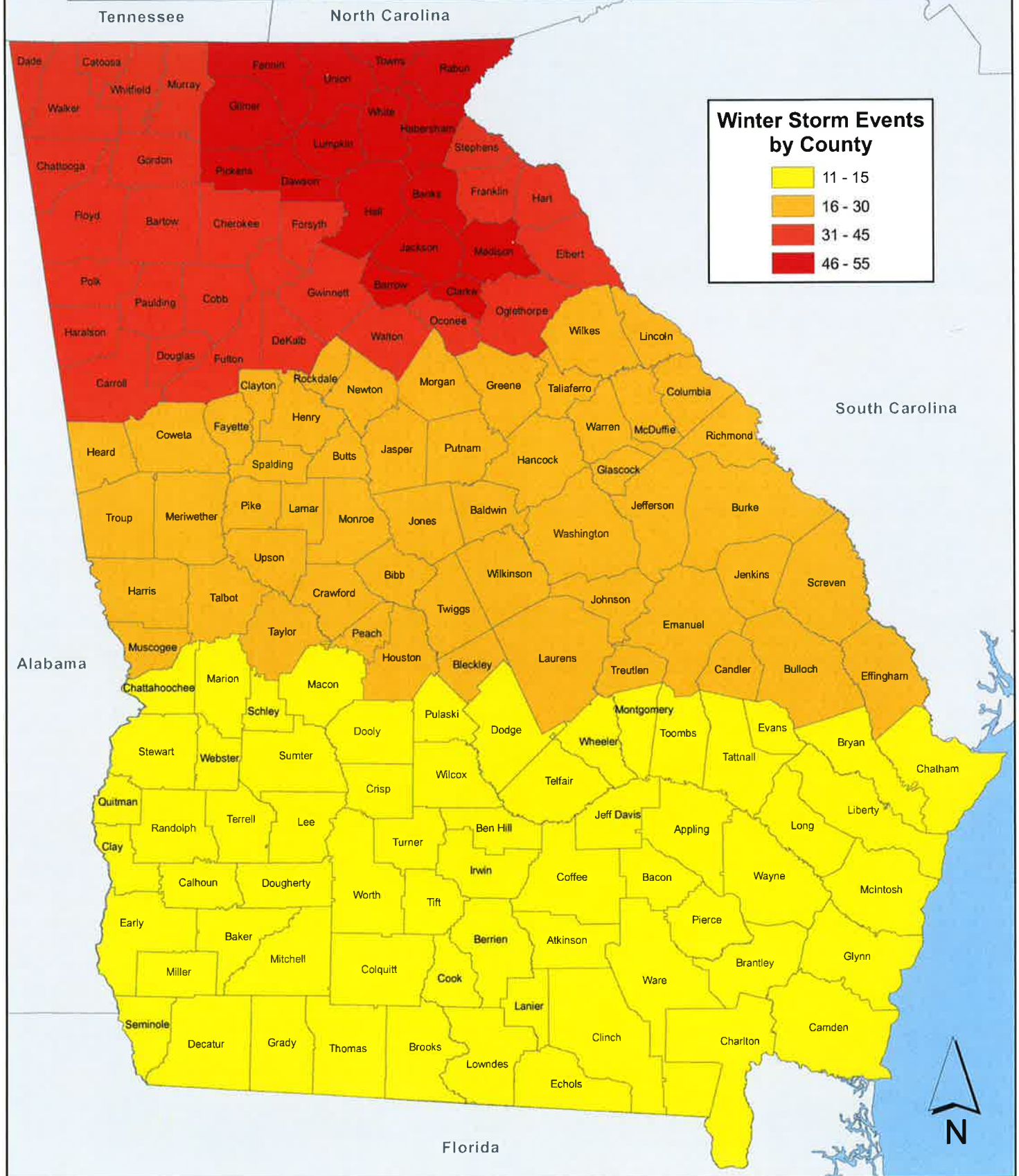
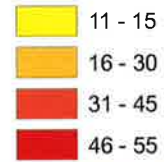


Winter Storm Events

1960-2012

SHELDUS Data

Winter Storm Events by County

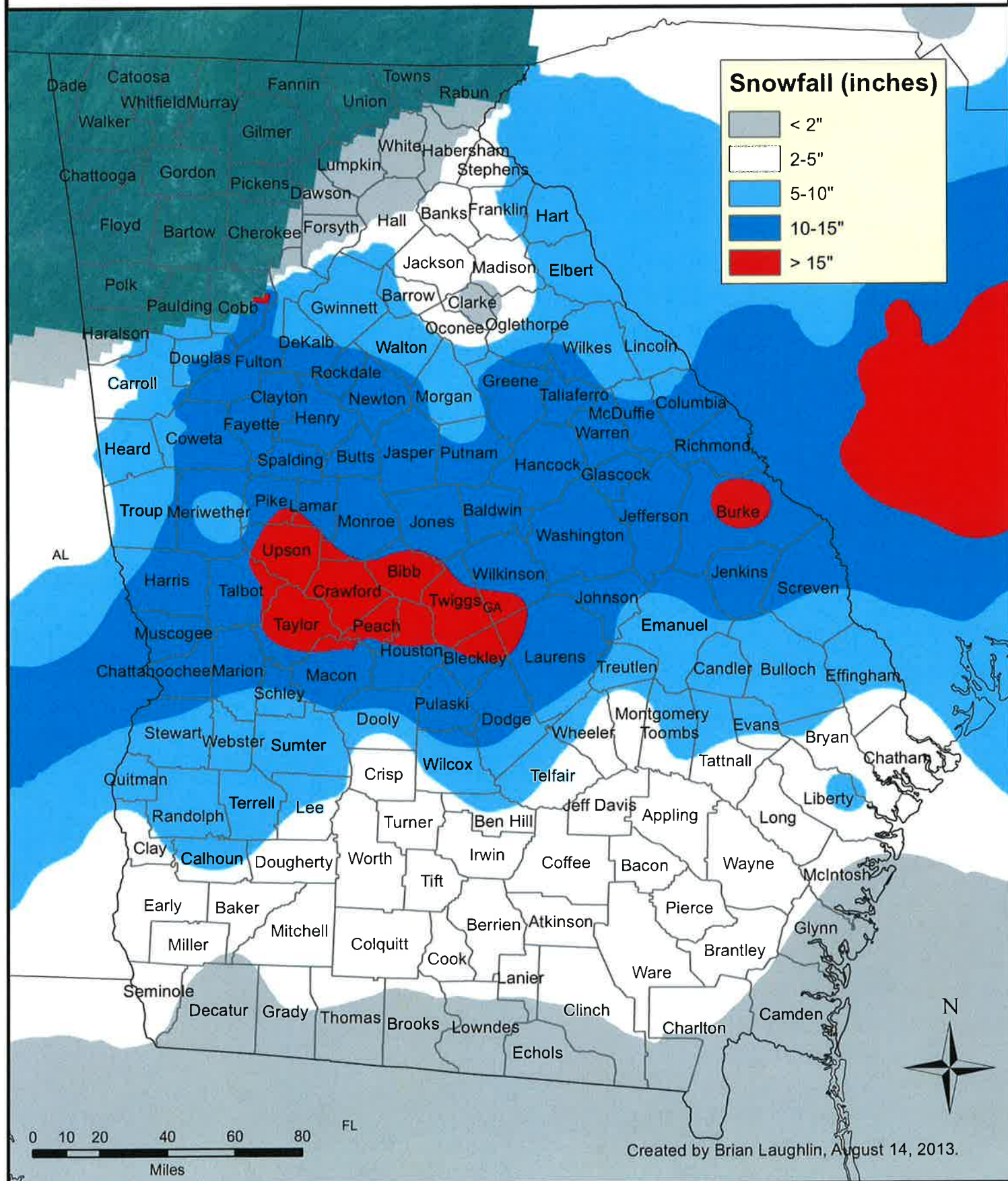




February 9-11, 1973 Winter Storm

RSI = 12.52, Category 4

NOAA

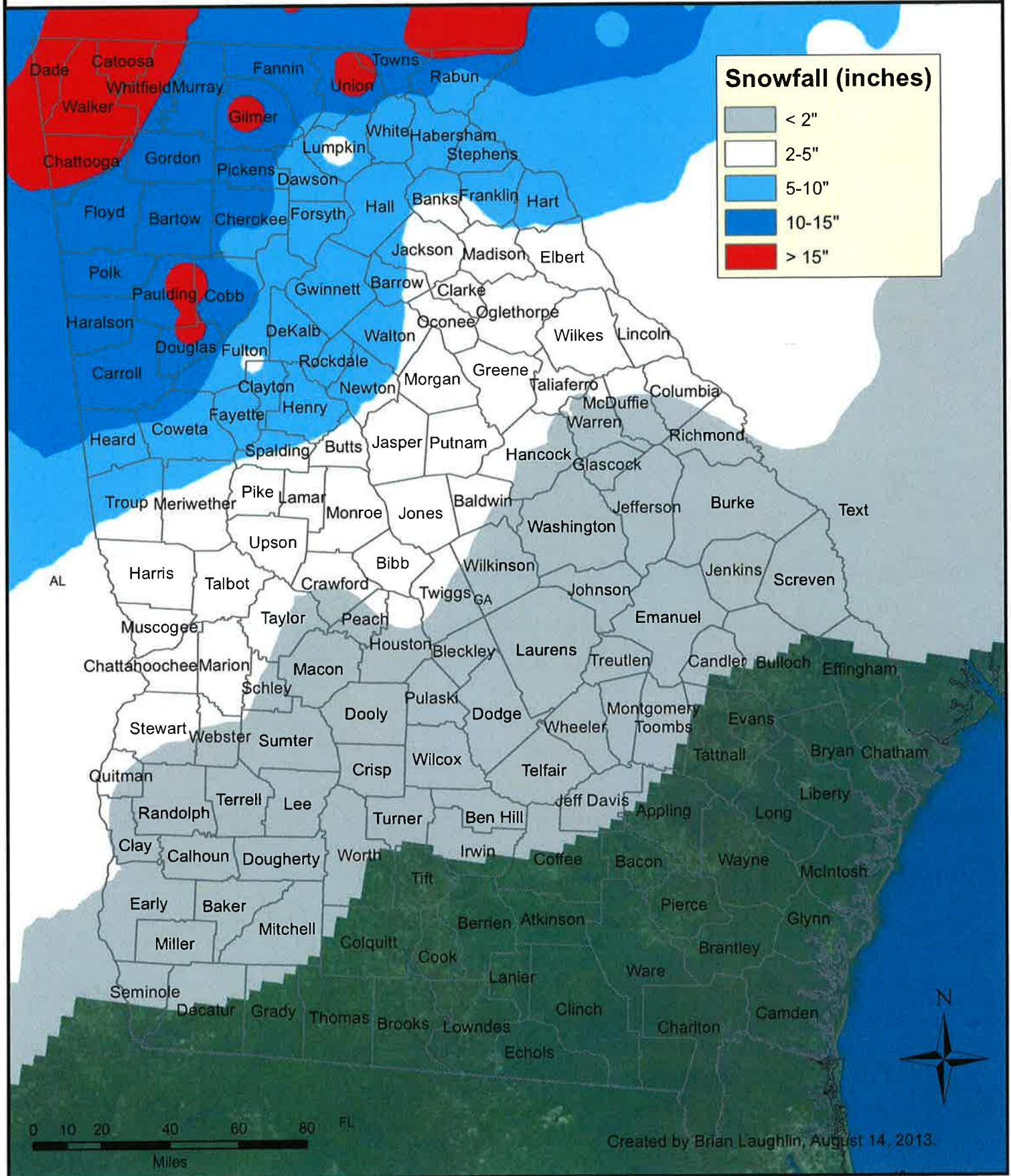




March 12-15, 1993 Winter Storm

RSI = 20.572, Category 5

NOAA



VI. Drought

- A. Drought Hazard Description – A drought is a prolonged period without rain, particularly during the planting and growing season in agricultural areas. It can range from two weeks to six months or more and affects water availability and quality. Drought conditions pose a hazard in that they could cause disruption to public and private underground water sources for domestic use. The primary source of domestic water in Lowndes County comes from underground sources. The Floridian Aquifer provides a significant amount of domestic water to the public in Lowndes County. Water levels in the aquifer vary depending on the amount of recharge. Thus, during long periods of drought, water levels may drop below the levels of the wells, causing disruption in the water supply.
- B. Data – Events, Worksheet 3A, GEMA Critical Facility Inventory Report, Maps

National Climatic Data Center

[Home](#) [Contact Us](#) [About NCDC](#) [Help](#)[NCDC > Storm Events Database \(Select State\) > \(Select Date/County/Event\)](#)

Storm Events Database

Data Access

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

Documentation

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

External Resources

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

Storm Events Database

Search Results for Lowndes County, Georgia

Event Types: **Drought**

Lowndes county contains the following zones:

'Lowndes'

23 events were reported between 01/01/1950 and 12/31/2014 (23741 days)

Summary Info:

Number of County/Zone areas affected:	1
Number of Days with Event:	23
Number of Days with Event and Death:	0
Number of Days with Event and Death or Injury:	0
Number of Days with Event and Property Damage:	0
Number of Days with Event and Crop Damage:	0
Number of Event Types reported:	1

Data Export: (current results)



Column Definitions:

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

Click on **Location** below to display detailsAvailable Event Types have changed over time Please refer to the [Database Details](#) for more informationSort By: [Date/Time \(Oldest\)](#) ▼

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

GEMA Worksheet #3a**Inventory of Assets****Jurisdiction: Lowndes****Hazard: Drought**

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

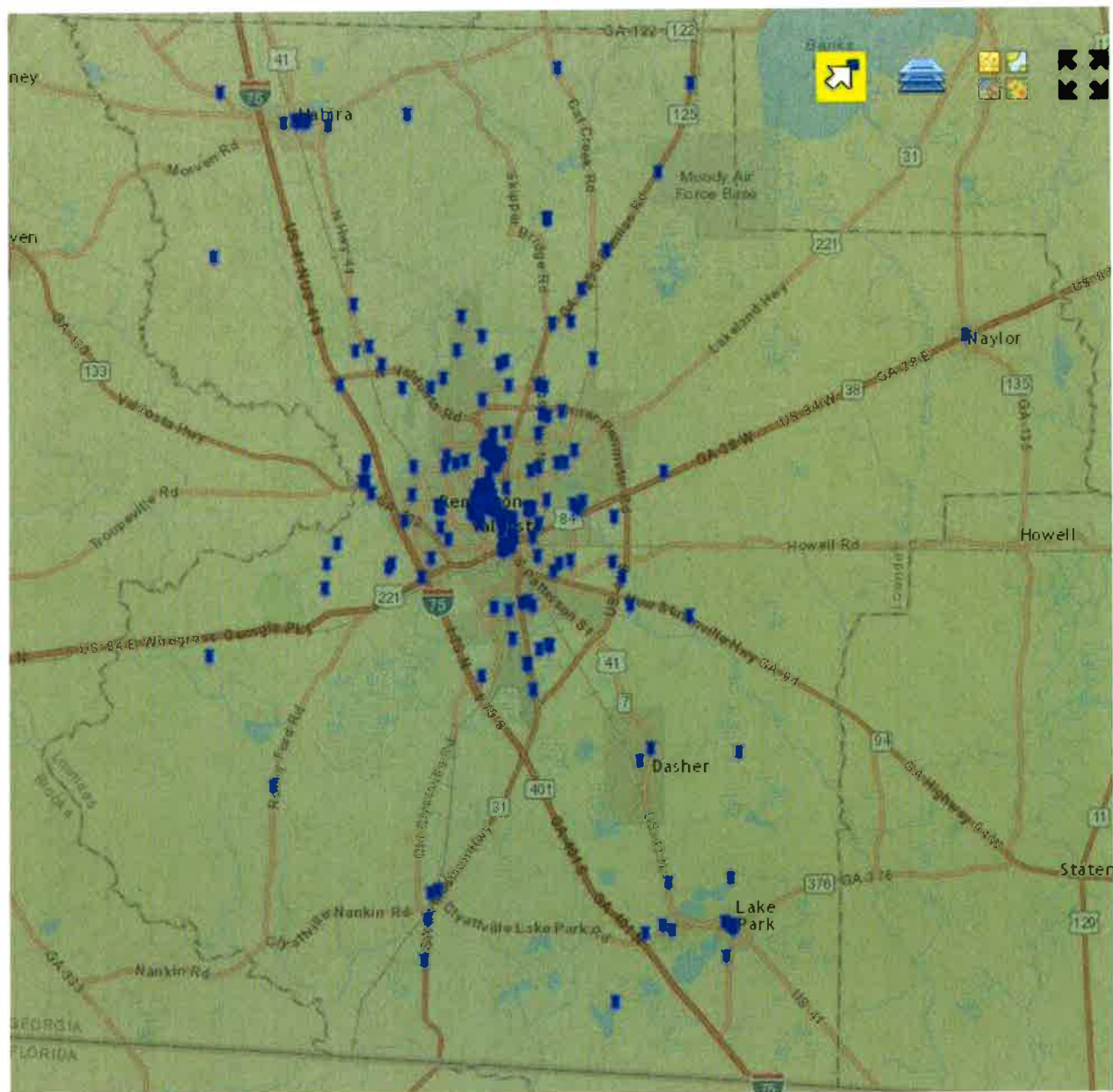
Type of Structure (Occupancy Class)	Number of Structures			Value of Structures			Number of People		
	# in Community of State	# in Hazard Area	% in Hazard Area	\$ in Community or State	\$ in Hazard Area	% in Hazard Area	# in Community or State	# in Hazard Area	% in Hazard Area
Residential	31,847	31,847	100.000%	2,755,703,596	2,755,703,596	100.000%	112,515	112,515	100%
Commercial	3,742	3,742	100.000%	1,184,803,804	1,184,803,804	100.000%	0	0	0%
Industrial	364	364	100.000%	226,661,336	226,661,336	100.000%	0	0	0%
Agricultural	1,237	1,237	100.000%	119,283,276	119,283,276	100.000%	0	0	0%
Religious/ Non-profit	401	401	100.000%	155,502,640	155,502,640	100.000%	0	0	0%
Government	338	338	100.000%	239,948,753	239,948,753	100.000%	0	0	0%
Education	83	83	100.000%	112,974,247	112,974,247	100.000%	0	0	0%
Utilities	111	111	100.000%	15,186,185	15,186,185	100.000%	0	0	0%
Total	38,123	38,123	100.000%	4,810,063,837	4,810,063,837	100.000%	112,515	112,515	100%

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

Y N

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

PLEASE SEE
GMIS CRITICAL FACILITIES DATA IN
APPENDIX A PART III
FOR HAZARD AMOUNTS



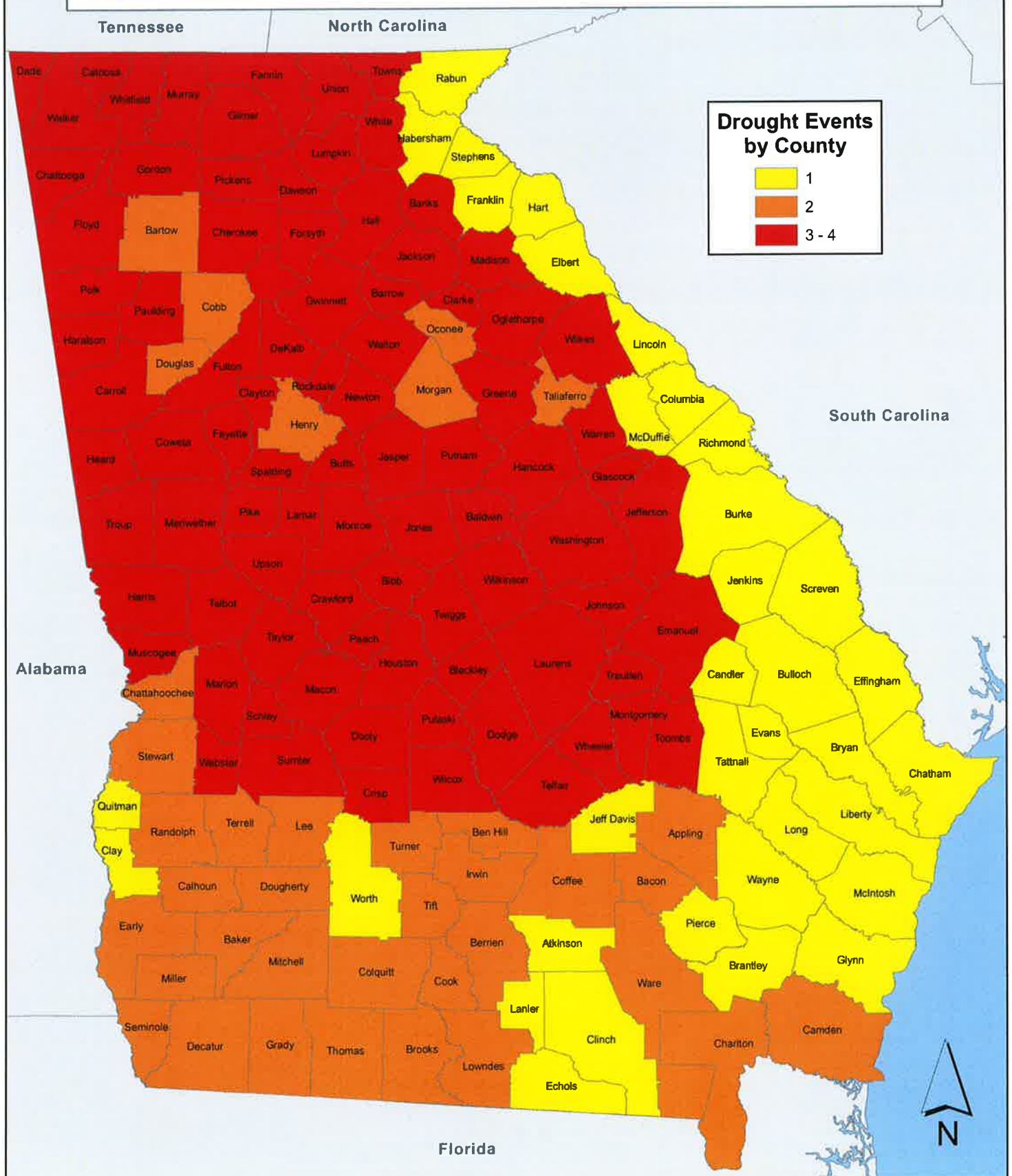
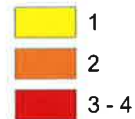
GMIS Critical Facilities Map – Drought



Drought Events

1960-2012
SHELDUS Data

Drought Events by County



U.S. Drought Monitor

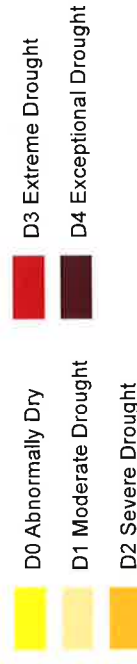
Georgia

January 4, 2000
(Released Thursday, Jan. 6, 2000)
Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0	D1	D2	D3	D4
Current	0.00	0.00	31.48	68.52	0.00	0.00
Last Week	-	-	-	-	-	-
3 Months Ago	-	-	-	-	-	-
Start of Calendar Year 1/4/2000	0.00	0.00	31.48	68.52	0.00	0.00
Start of Water Year	-	-	-	-	-	-
One Year Ago	-	-	-	-	-	-

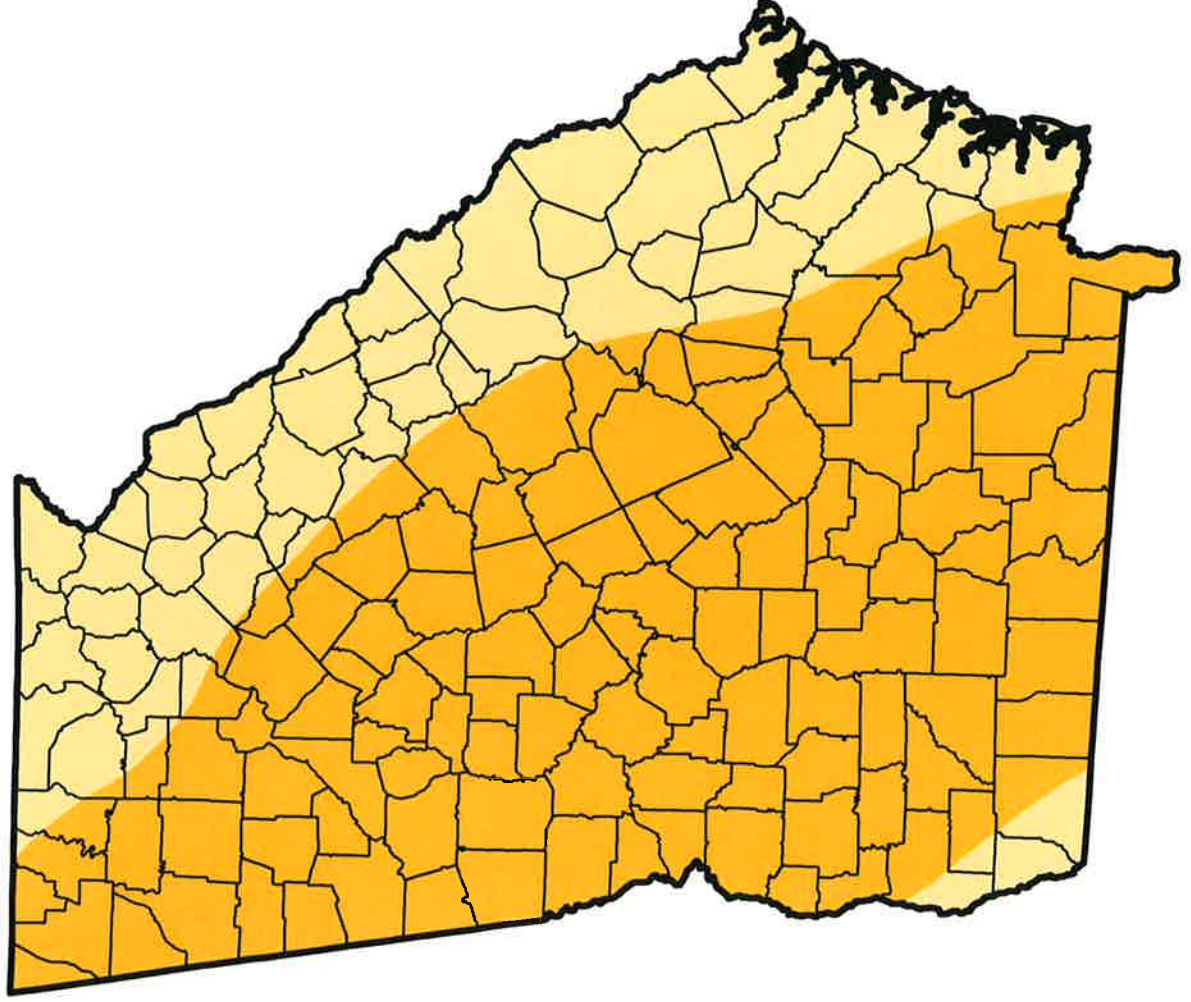
Intensity:



The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

Author:
Staff

National Drought Mitigation Center



U.S. Drought Monitor

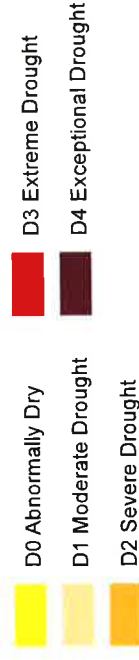
Georgia

November 6, 2001
(Released Thursday, Nov. 8, 2001)
Valid 7 a.m. EST

Drought Conditions (Percent Area)

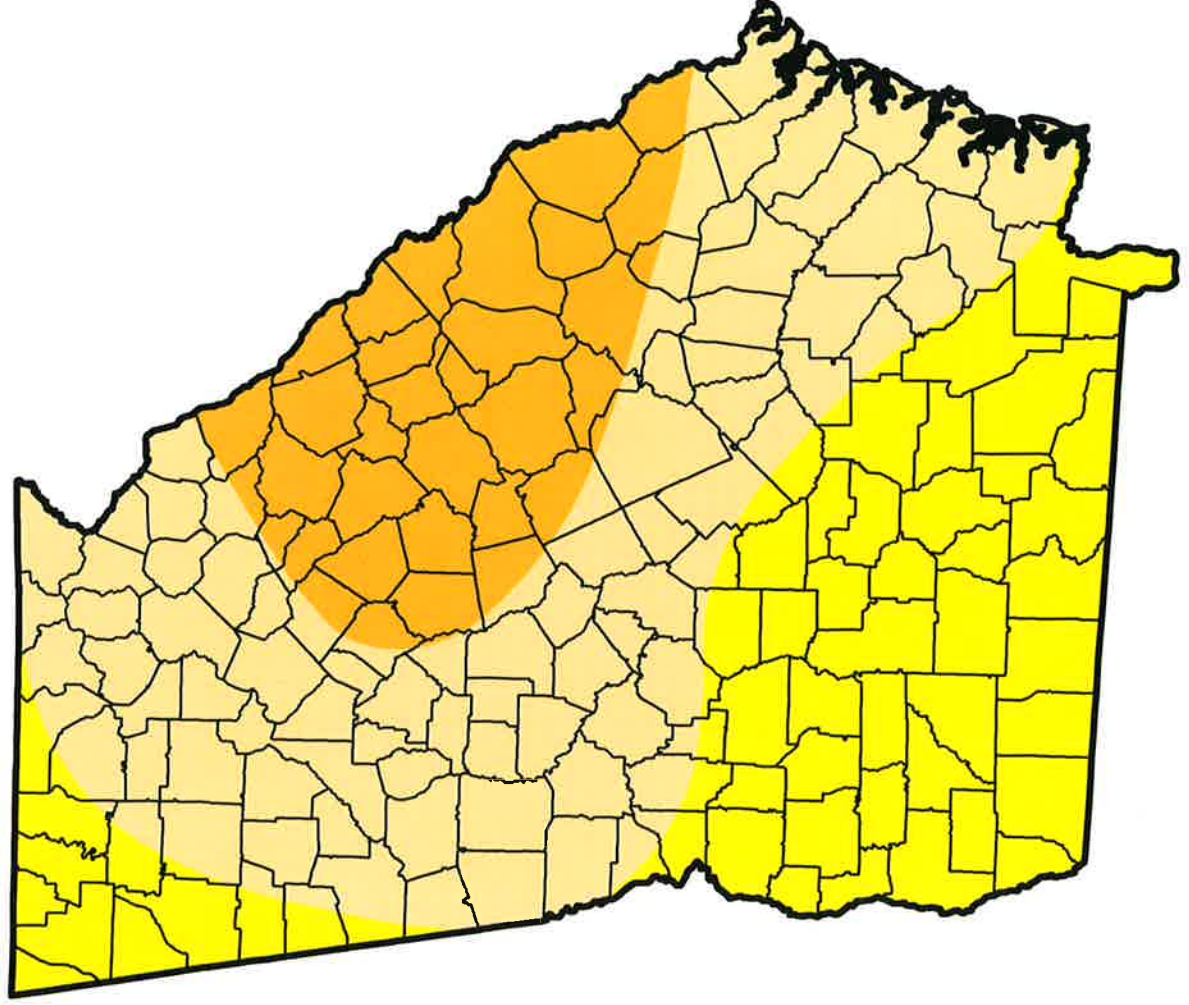
	None	D0	D1	D2	D3	D4
Current	0.00	34.64	46.18	19.19	0.00	0.00
Last Week 10/30/2001	0.00	52.46	33.59	13.96	0.00	0.00
3 Months Ago 8/7/2001	85.63	13.60	0.77	0.00	0.00	0.00
Start of Calendar Year 1/2/2001	3.33	17.70	35.13	43.83	0.00	0.00
Start of Water Year 9/25/2001	61.50	38.50	0.00	0.00	0.00	0.00
One Year Ago 11/7/2000	0.00	9.88	11.68	23.99	54.45	0.00

Intensity:



The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

Author:
Michael Hayes
National Drought Mitigation Center



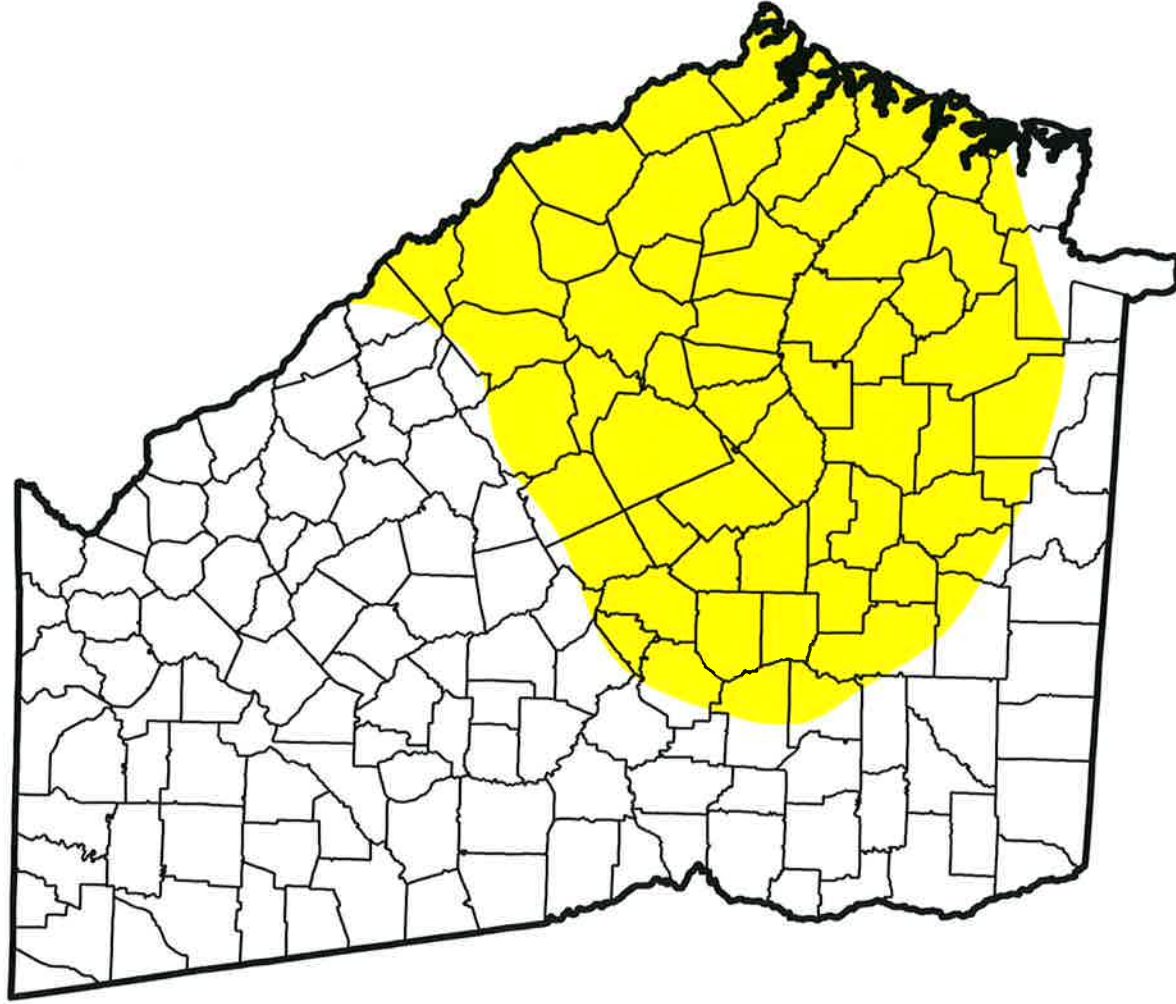
U.S. Drought Monitor

Georgia

January 7, 2003

(Released Thursday, Jan. 9, 2003)

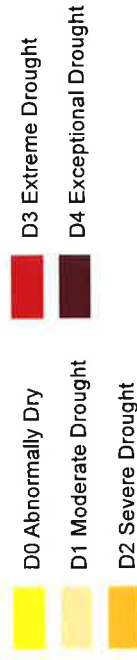
Valid 7 a.m. EST



Drought Conditions (Percent Area)

	None	D0	D1	D2	D3	D4
Current	59.81	40.19	0.00	0.00	0.00	0.00
Last Week 12/31/2002	63.22	36.78	0.00	0.00	0.00	0.00
3 Months Ago 10/8/2002	2.80	20.14	27.68	49.38	0.00	0.00
Start of Calendar Year 12/31/2002	63.22	36.78	0.00	0.00	0.00	0.00
Start of Water Year 10/1/2002	11.10	19.55	21.60	47.75	0.00	0.00
One Year Ago 1/8/2002	0.00	2.33	34.39	40.16	23.12	0.00

Intensity:



The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

Author:
Richard Tinker
CPC/NOAA/NWS/NCEP



<http://droughtmonitor.unl.edu/>

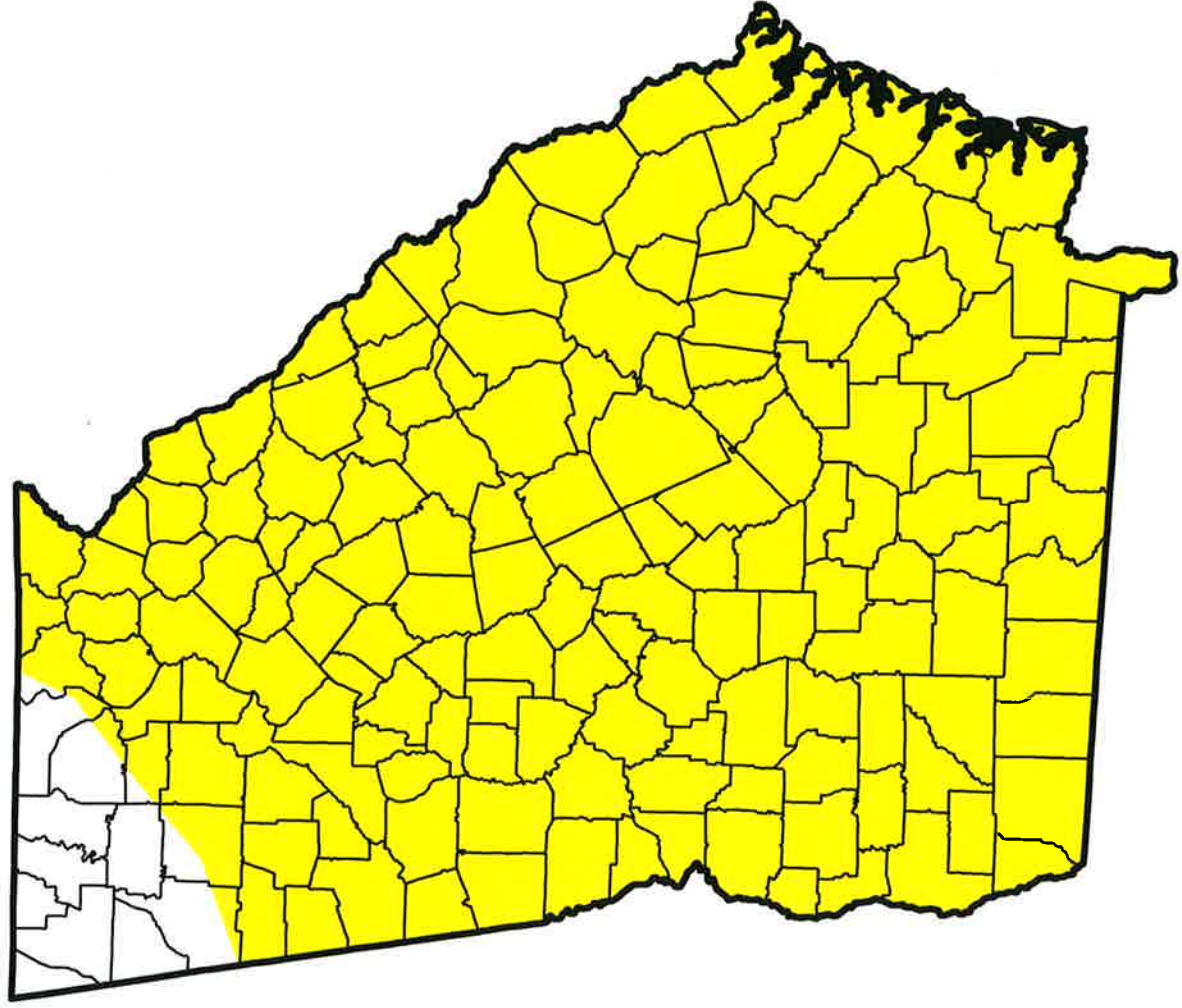
U.S. Drought Monitor

Georgia

April 6, 2004

(Released Thursday, Apr. 8, 2004)

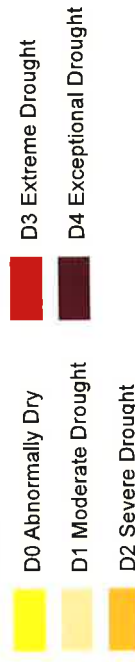
Valid 7 a.m. EST



Drought Conditions (Percent Area)

	None	D0	D1	D2	D3	D4
Current	5.90	94.10	0.00	0.00	0.00	0.00
Last Week 3/30/2004	8.94	91.06	0.00	0.00	0.00	0.00
3 Months Ago 1/6/2004	100.00	0.00	0.00	0.00	0.00	0.00
Start of Calendar Year 12/30/2003	100.00	0.00	0.00	0.00	0.00	0.00
Start of Water Year 9/30/2003	100.00	0.00	0.00	0.00	0.00	0.00
One Year Ago 4/8/2003	100.00	0.00	0.00	0.00	0.00	0.00

Intensity:



The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

Author:
Douglas Le Comte
CPC/NOAA



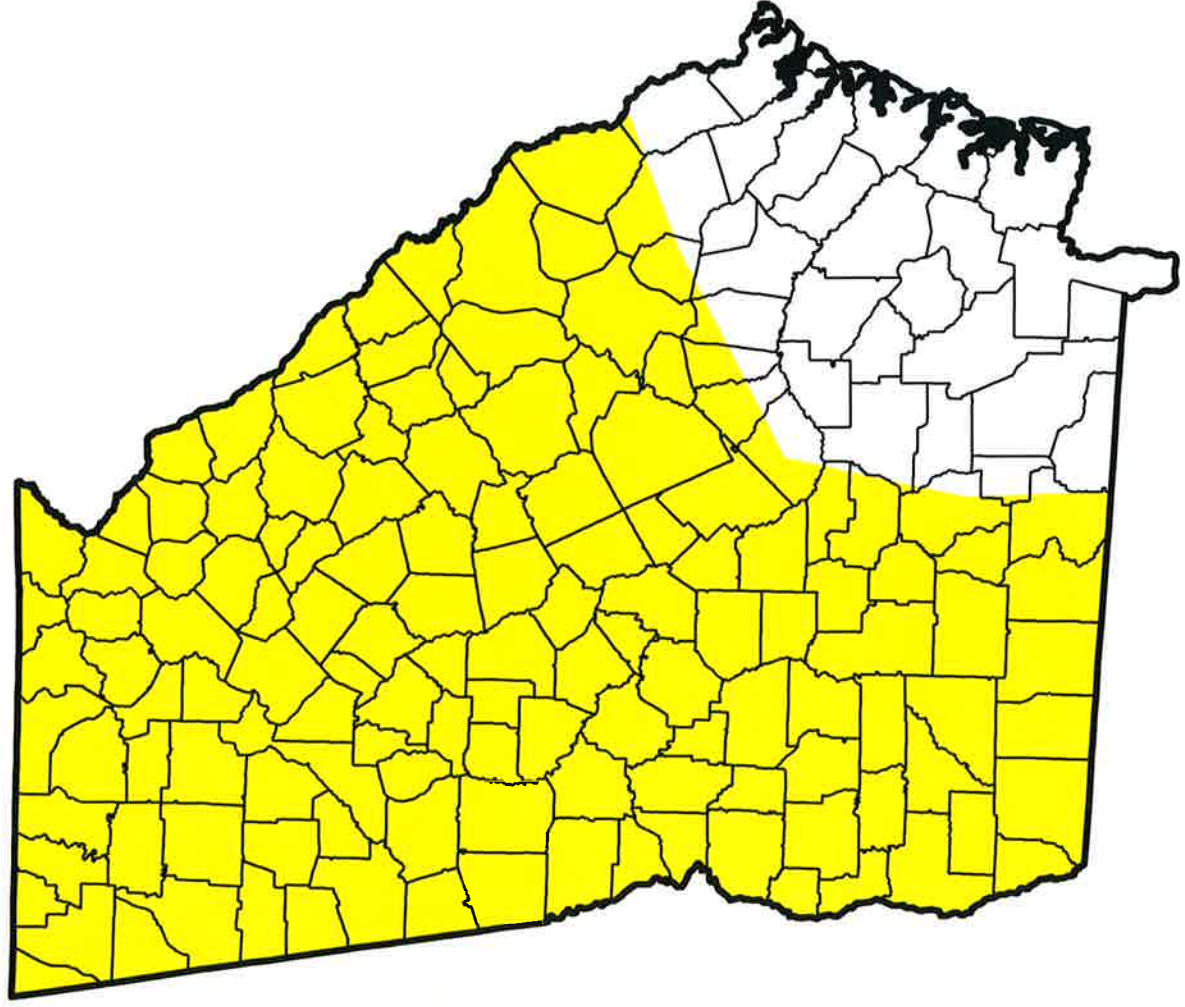
U.S. Drought Monitor

Georgia

April 4, 2006

(Released Thursday, Apr. 6, 2006)

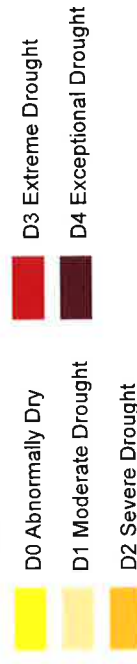
Valid 7 a.m. EST



Drought Conditions (Percent Area)

	None	D0	D1	D2	D3	D4
Current	21.05	78.95	0.00	0.00	0.00	0.00
Last Week 3/28/2006	99.86	0.14	0.00	0.00	0.00	0.00
3 Months Ago 1/3/2006	100.00	0.00	0.00	0.00	0.00	0.00
Start of Calendar Year 1/3/2006	100.00	0.00	0.00	0.00	0.00	0.00
Start of Water Year 9/27/2005	88.88	11.12	0.00	0.00	0.00	0.00
One Year Ago 4/5/2005	100.00	0.00	0.00	0.00	0.00	0.00

Intensity:



The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

Author:

Douglas Le Comte
CPC/NOAA



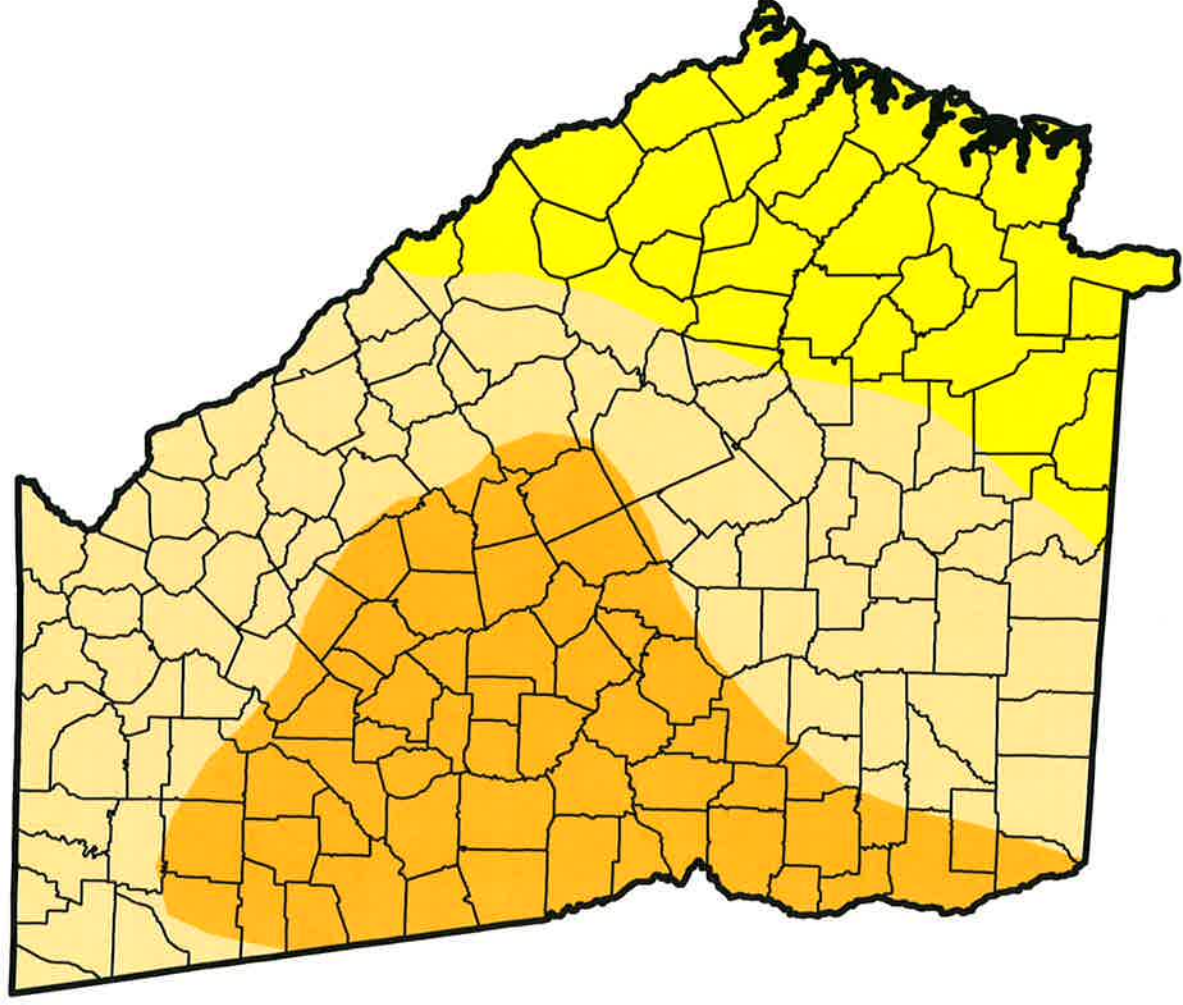
U.S. Drought Monitor

Georgia

August 1, 2006

(Released Thursday, Aug. 3, 2006)

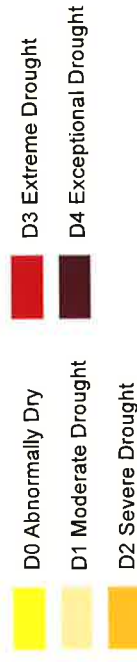
Valid 7 a.m. EST



Drought Conditions (Percent Area)

	None	D0	D1	D2	D3	D4
Current	0.00	23.70	45.43	30.87	0.00	0.00
Last Week 7/25/2006	0.00	27.25	47.90	24.85	0.00	0.00
3 Months Ago 5/2/2006	21.12	78.67	0.22	0.00	0.00	0.00
Start of Calendar Year 1/3/2006	100.00	0.00	0.00	0.00	0.00	0.00
Start of Water Year 9/27/2005	88.88	11.12	0.00	0.00	0.00	0.00
One Year Ago 8/2/2005	100.00	0.00	0.00	0.00	0.00	0.00

Intensity:



The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

Author:

David Miskus
NOAA/NWS/NCEP/CPC



<http://droughtmonitor.unl.edu/>

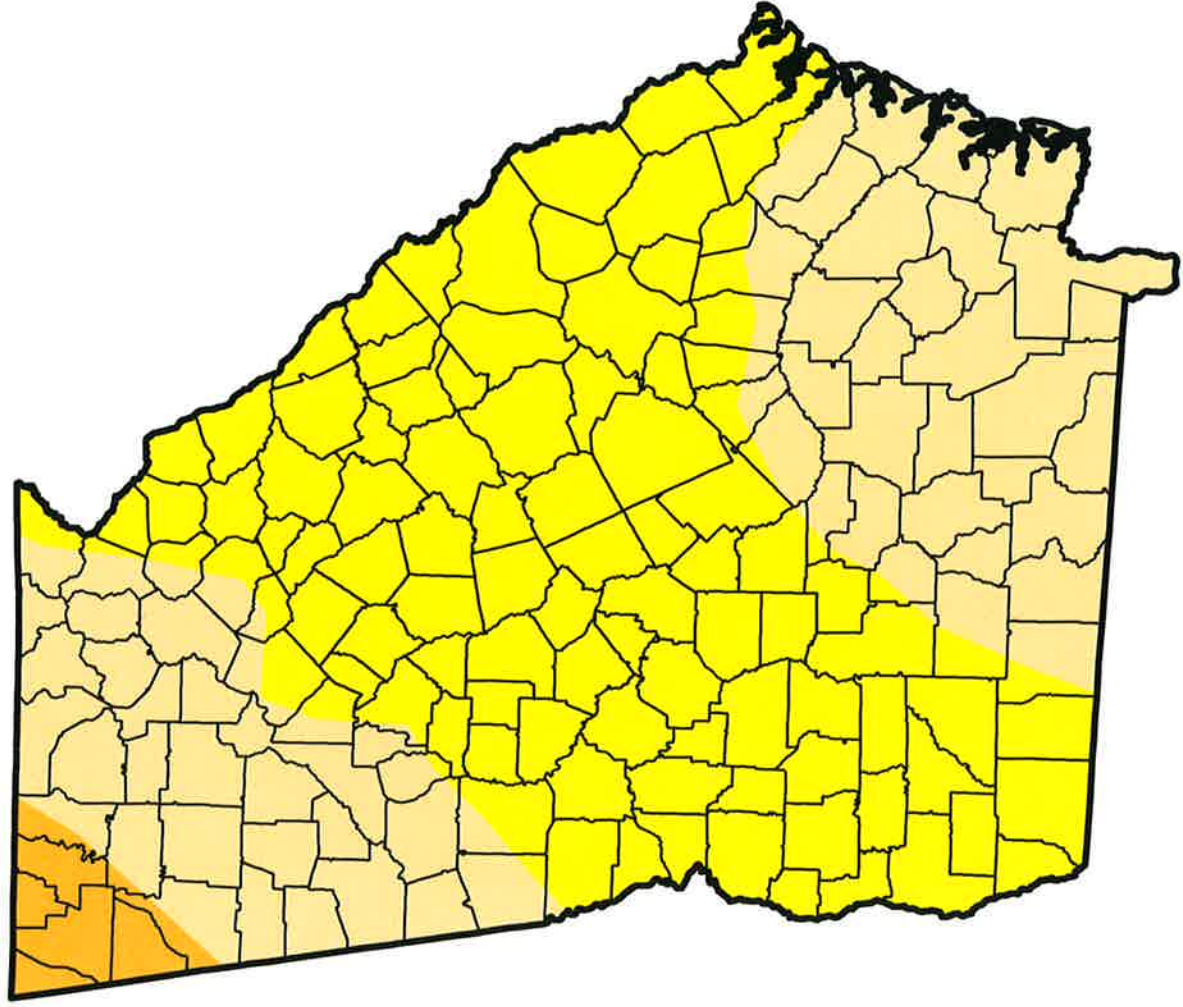
U.S. Drought Monitor

Georgia

April 3, 2007

(Released Thursday, Apr. 5, 2007)

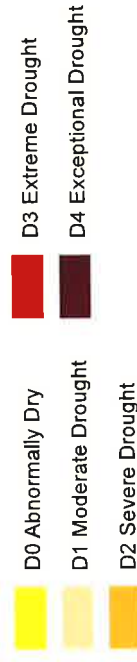
Valid 7 a.m. EST



Drought Conditions (Percent Area)

	None	D0	D1	D2	D3	D4
Current	0.00	57.36	39.70	2.94	0.00	0.00
Last Week 3/27/2007	0.00	90.89	7.22	1.89	0.00	0.00
3 Months Ago 1/2/2007	12.16	84.18	3.56	0.10	0.00	0.00
Start of Calendar Year 1/2/2007	12.16	84.18	3.56	0.10	0.00	0.00
Start of Water Year 9/26/2006	0.05	53.22	46.73	0.00	0.00	0.00
One Year Ago 4/4/2006	21.05	78.95	0.00	0.00	0.00	0.00

Intensity:



The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

Author:

Thomas Heddinghaus
CPC/NOAA



<http://droughtmonitor.unl.edu/>

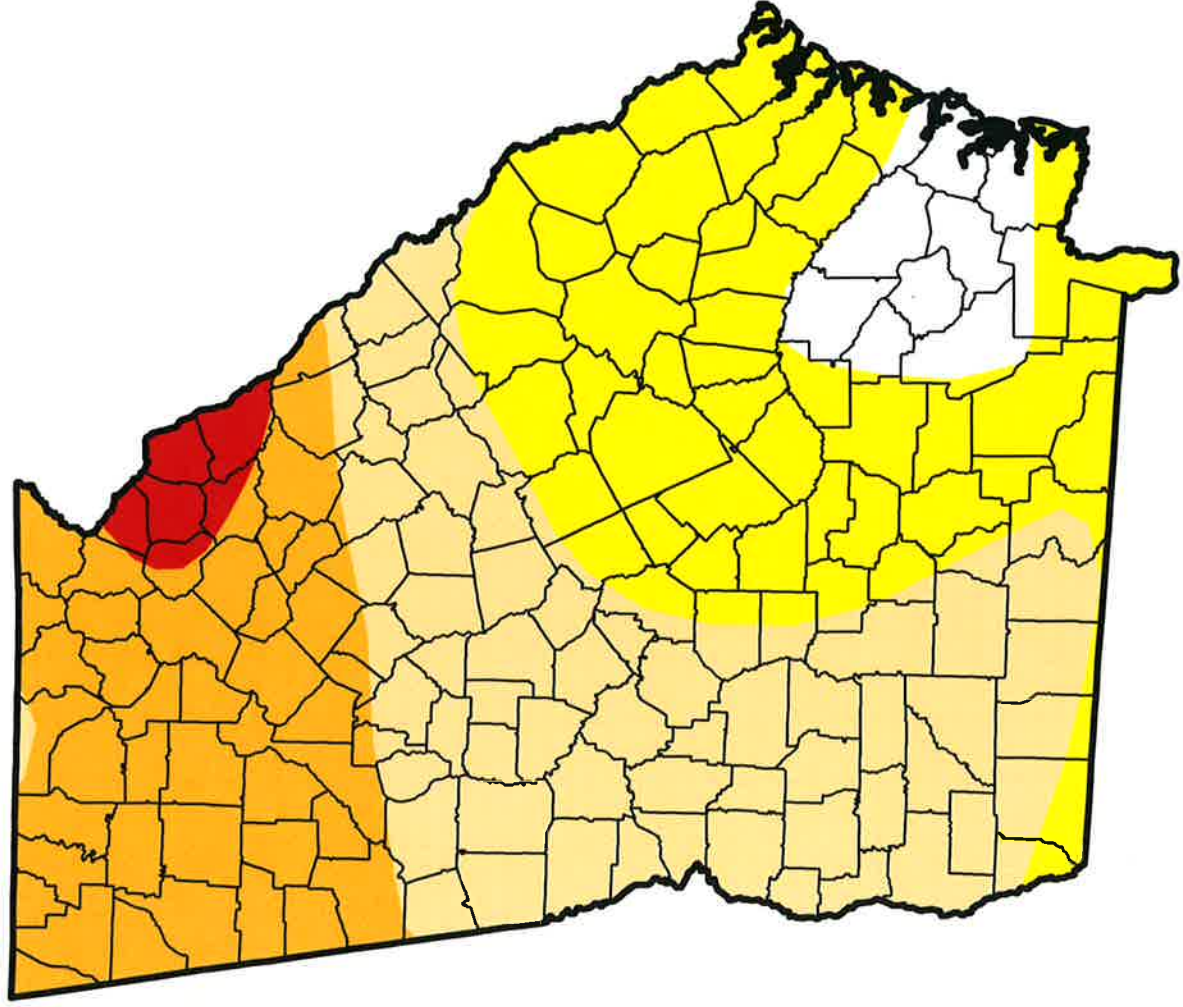
U.S. Drought Monitor

Georgia

June 3, 2008

(Released Thursday, Jun. 5, 2008)

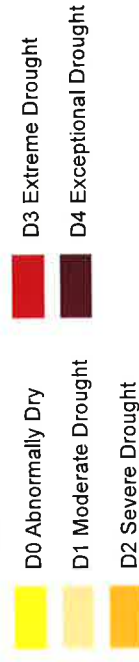
Valid 7 a.m. EST



Drought Conditions (Percent Area)

	None	D0	D1	D2	D3	D4
Current	6.64	32.93	36.09	22.08	2.25	0.00
Last Week 5/27/2008	17.44	38.89	16.19	25.23	2.25	0.00
3 Months Ago 3/4/2008	29.10	21.07	12.46	11.85	19.57	5.94
Start of Calendar Year 1/1/2008	2.01	22.95	9.80	15.80	33.71	15.73
Start of Water Year 9/25/2007	24.19	11.60	11.62	13.23	12.36	27.00
One Year Ago 6/5/2007	0.00	3.86	15.68	34.94	45.52	0.00

Intensity:



The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

Author:

Mark Svoboda

National Drought Mitigation Center



<http://droughtmonitor.unl.edu/>

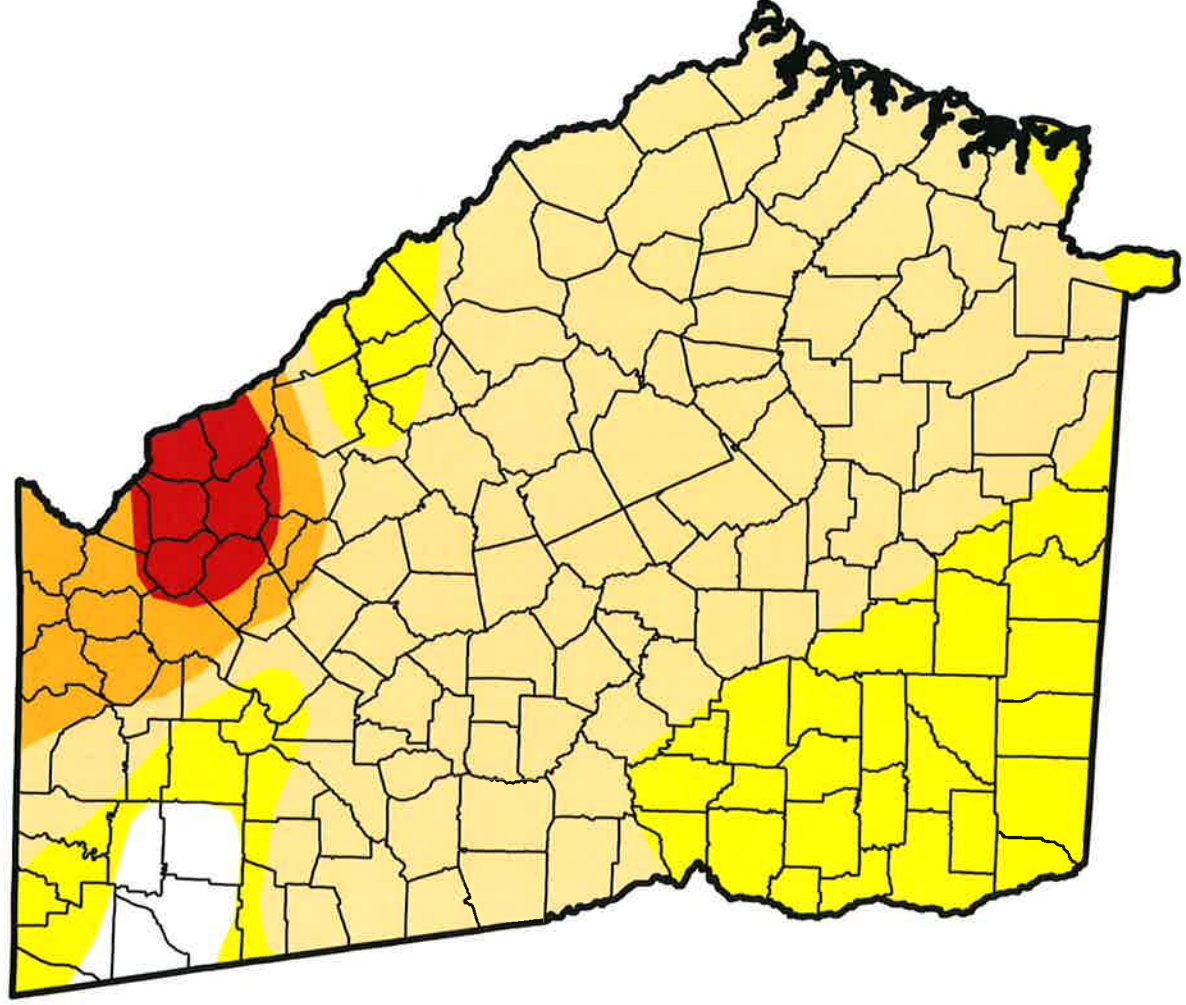
U.S. Drought Monitor

Georgia

March 3, 2009

(Released Thursday, Mar. 5, 2009)

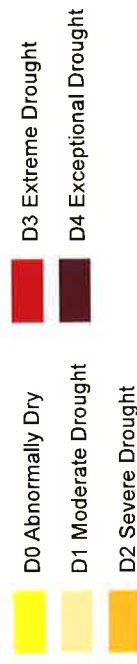
Valid 7 a.m. EST



Drought Conditions (Percent Area)

	None	D0	D1	D2	D3	D4
Current	2.71	25.55	62.80	5.80	3.14	0.00
Last Week 2/24/2009	0.22	23.27	66.42	6.65	3.43	0.00
3 Months Ago 12/2/2008	39.10	14.11	15.40	13.00	6.33	12.06
Start of Calendar Year 12/30/2008	69.29	9.63	8.91	3.35	8.81	0.00
Start of Water Year 9/30/2008	4.97	20.10	14.28	37.99	22.64	0.03
One Year Ago 3/4/2008	29.10	21.07	12.46	11.85	19.57	5.94

Intensity:



The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

Author:
Richard Tinker
CPC/NOAA/NWS/NCEP



<http://droughtmonitor.unl.edu/>

U.S. Drought Monitor

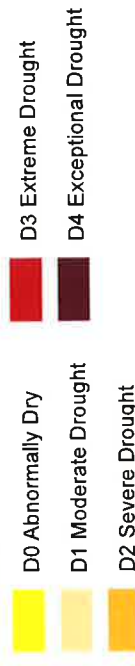
Georgia

September 7, 2010
(Released Thursday, Sep. 9, 2010)
Valid 7 a.m. EST

Drought Conditions (Percent Area)

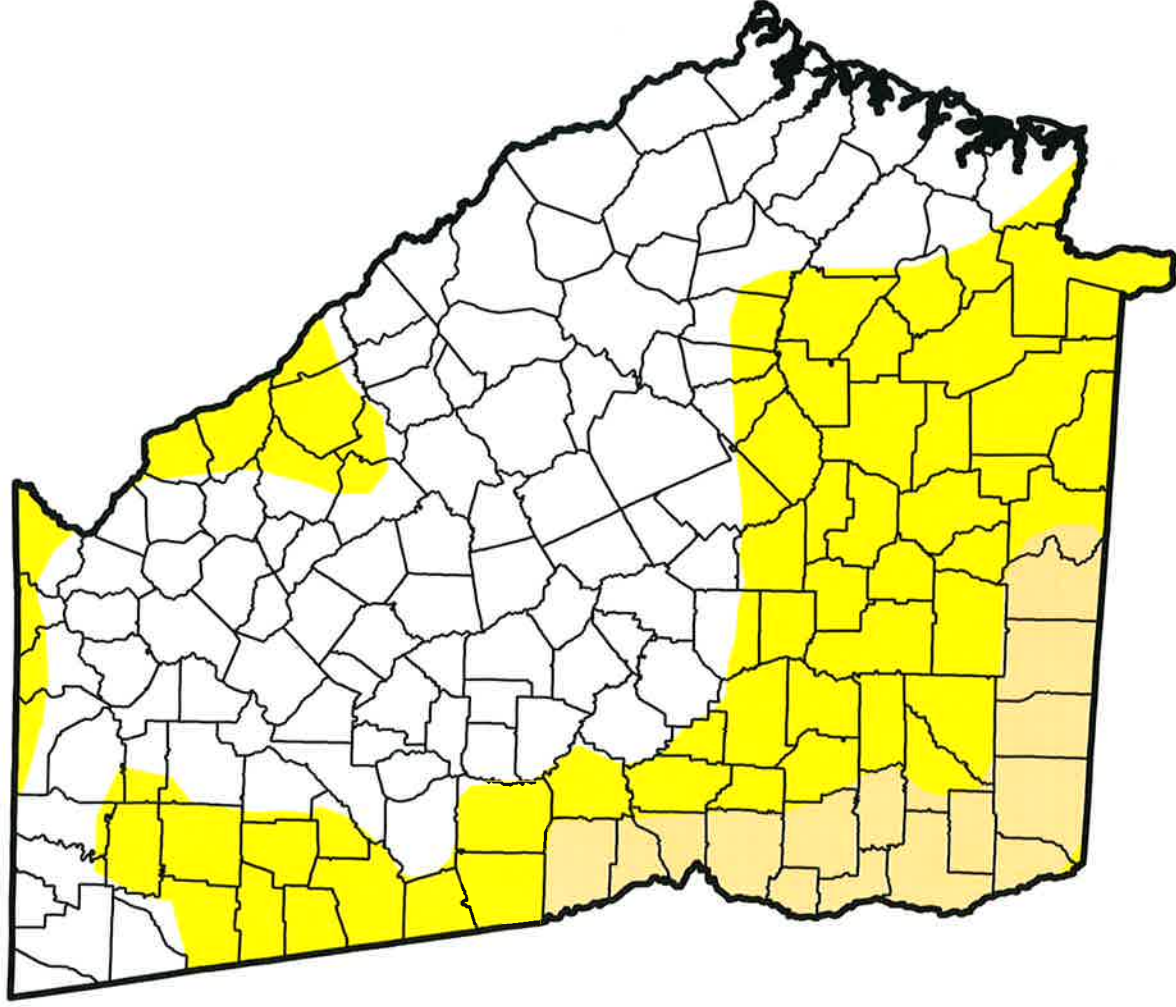
	None	D0	D1	D2	D3	D4
Current	53.52	36.46	10.01	0.00	0.00	0.00
Last Week 8/31/2010	59.28	30.71	10.01	0.00	0.00	0.00
3 Months Ago 6/8/2010	99.84	0.16	0.00	0.00	0.00	0.00
Start of Calendar Year 12/29/2009	100.00	0.00	0.00	0.00	0.00	0.00
Start of Water Year 9/29/2009	96.07	3.93	0.00	0.00	0.00	0.00
One Year Ago 9/8/2009	83.38	16.62	0.00	0.00	0.00	0.00

Intensity:



The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

Author:
Brad Rippey
U.S. Department of Agriculture

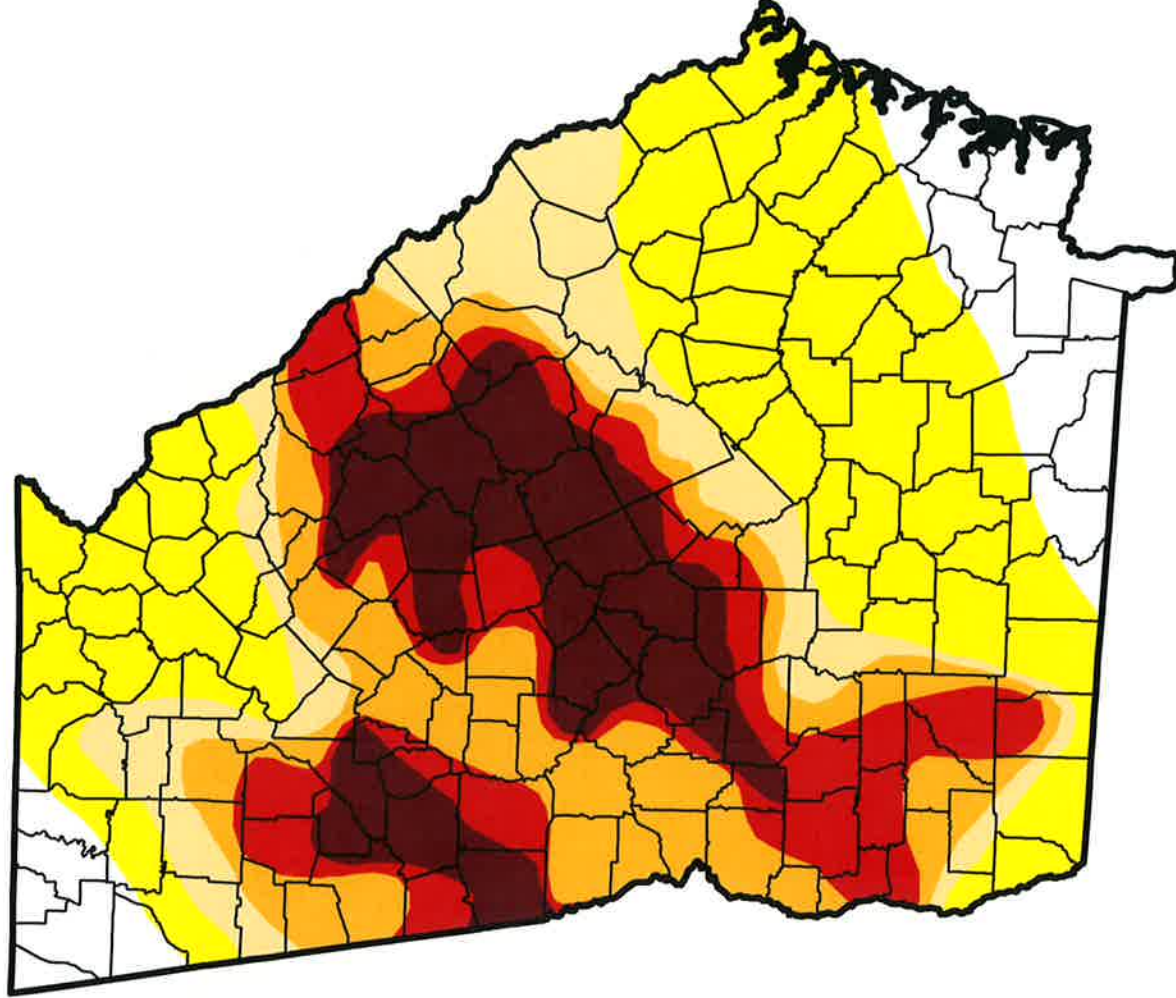


<http://droughtmonitor.unl.edu/>

U.S. Drought Monitor

Georgia

November 6, 2012
 (Released Thursday, Nov. 8, 2012)
 Valid 7 a.m. EST



Drought Conditions (Percent Area)

	None	D0	D1	D2	D3	D4
Current	11.09	33.74	12.61	15.86	12.72	13.98
Last Week 10/30/2012	19.23	27.77	12.22	17.53	13.23	10.03
3 Months Ago 8/7/2012	21.82	11.55	12.23	14.17	16.01	24.23
Start of Calendar Year 1/3/2012	12.07	2.57	4.36	17.08	63.92	0.00
Start of Water Year 9/25/2012	37.30	10.26	9.78	8.62	16.86	17.18
One Year Ago 11/8/2011	5.25	4.80	7.07	21.66	61.22	0.00

Intensity:

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

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

Author:
 David Miskus
 NOAA/NWS/NCEP/CPC

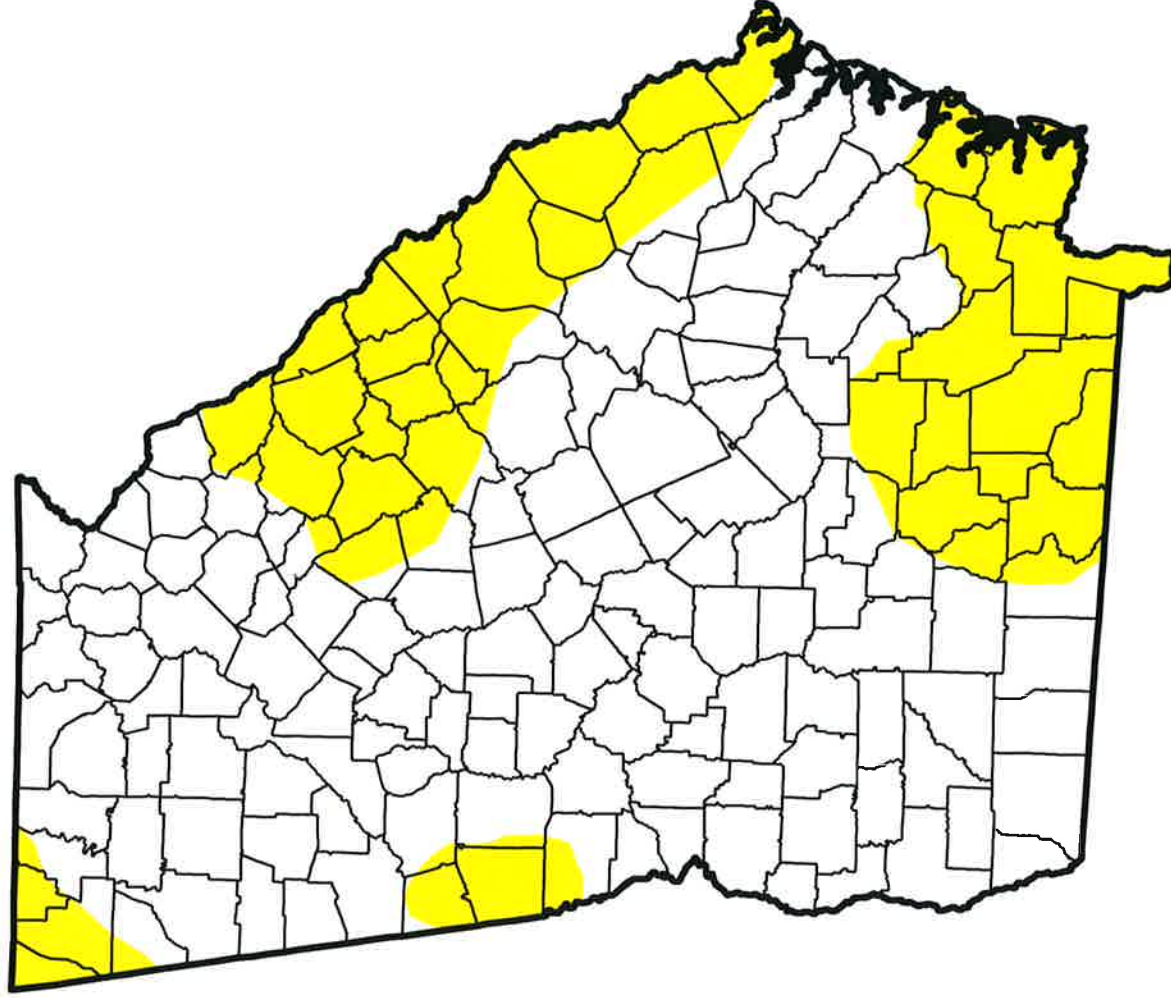


<http://droughtmonitor.unl.edu/>

U.S. Drought Monitor

Georgia

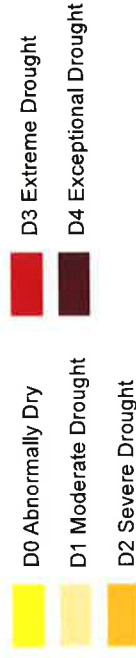
November 5, 2013
(Released Thursday, Nov. 7, 2013)
Valid 7 a.m. EST



Drought Conditions (Percent Area)

	None	D0	D1	D2	D3	D4
Current	70.98	29.02	0.00	0.00	0.00	0.00
Last Week 10/29/2013	74.05	25.95	0.00	0.00	0.00	0.00
3 Months Ago 8/6/2013	100.00	0.00	0.00	0.00	0.00	0.00
Start of Calendar Year 1/1/2013	1.63	8.88	24.62	27.91	26.71	10.25
Start of Water Year 10/1/2013	100.00	0.00	0.00	0.00	0.00	0.00
One Year Ago 11/6/2012	11.09	33.74	12.61	15.86	12.72	13.98

Intensity:



The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

Author:
David Simeral
Western Regional Climate Center



<http://droughtmonitor.unl.edu/>

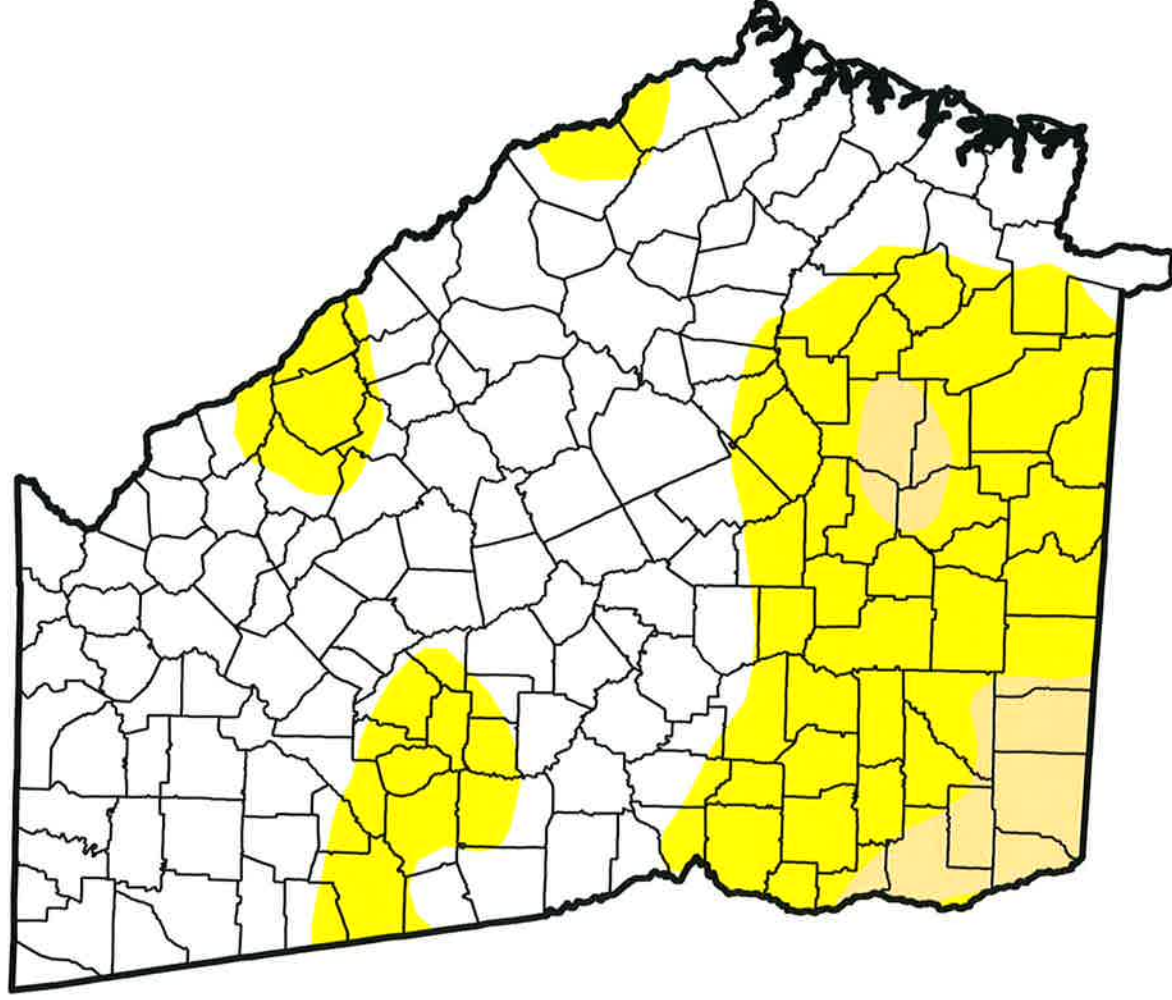
U.S. Drought Monitor

Georgia

August 5, 2014

(Released Thursday, Aug. 7, 2014)

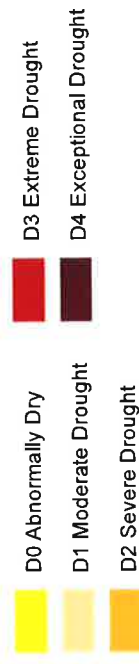
Valid 8 a.m. EDT



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	61.51	38.49	5.61	0.00	0.00	0.00
Last Week 7/29/2014	61.29	38.71	1.00	0.00	0.00	0.00
3 Months Ago 5/6/2014	95.76	4.24	0.00	0.00	0.00	0.00
Start of Calendar Year 12/31/2013	92.36	7.64	0.00	0.00	0.00	0.00
Start of Water Year 10/1/2013	100.00	0.00	0.00	0.00	0.00	0.00
One Year Ago 8/6/2013	100.00	0.00	0.00	0.00	0.00	0.00

Intensity:



The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

Author:

Brad Rippey
U.S. Department of Agriculture



VII. Sinkhole

- A. Sinkhole Hazard Description – Sinkholes are natural depressions in the ground caused by the collapse of the surface into a void. The void is normally attributed to the dissolving of subsurface material by the movement of water. Sinkholes occur more readily in regions with limestone sub surfaces. The final collapse of the ceiling over a cavern, developing a sinkhole, is normally precipitated by heavy rains.
- B. Data – Events, Worksheet 3A, GEMA Critical Facility Inventory Report, Maps

Sinkhole data was determined from local history and personal accounts in order to determine frequency of events.

GEMA Worksheet #3a**Inventory of Assets****Jurisdiction: Lowndes****Hazard: Sinkholes**

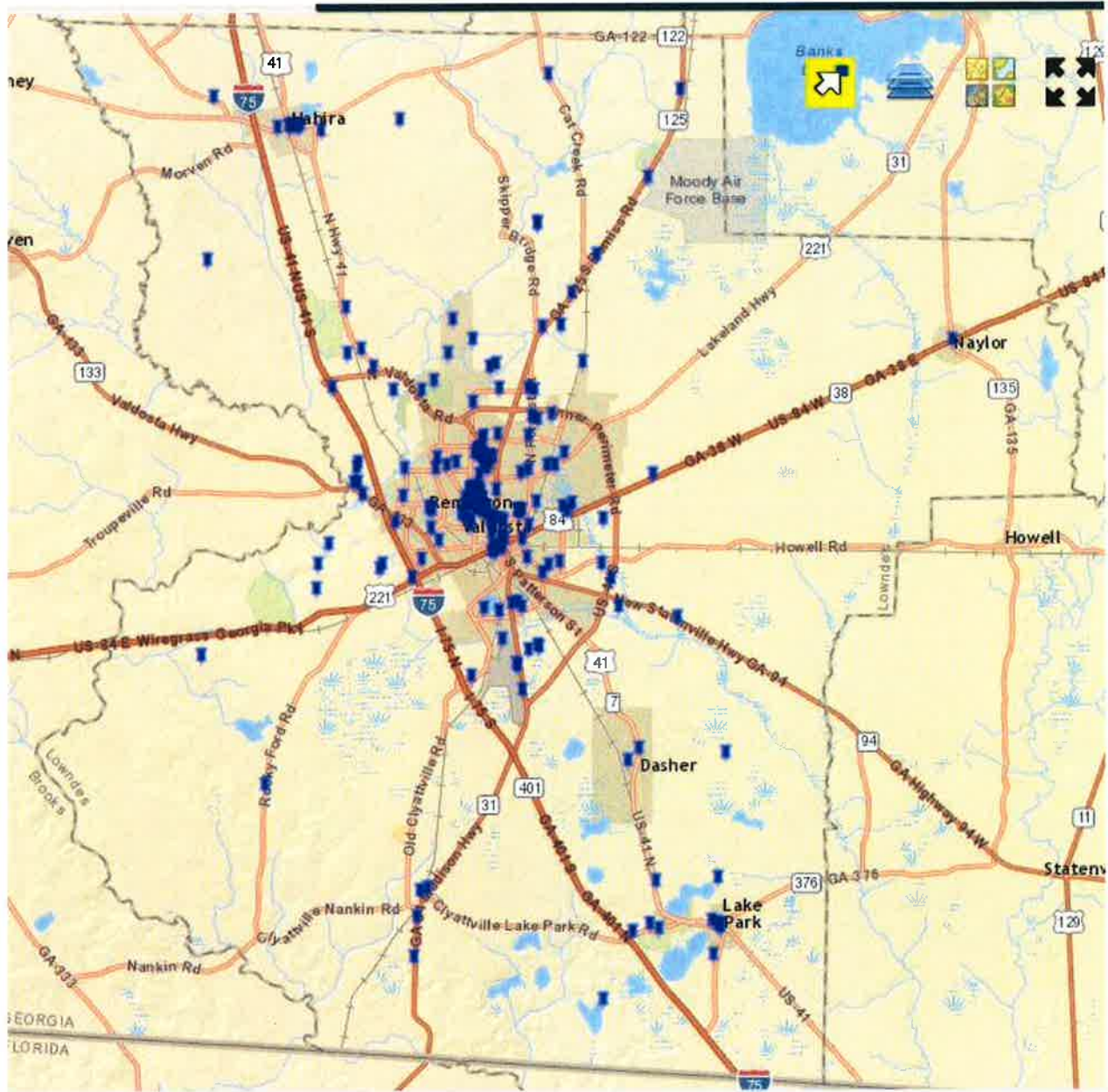
Task A. Determine the proportion of buildings, the value of buildings, and the population in your community or state that are located in hazard areas.

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	31,847	31,847	100.000%	2,755,703,596	2,755,703,596	100.000%	112,515	112,515	100%
Commercial	3,742	3,742	100.000%	1,184,803,804	1,184,803,804	100.000%	0	0	0%
Industrial	364	364	100.000%	226,661,336	226,661,336	100.000%	0	0	0%
Agricultural	1,237	1,237	100.000%	119,283,276	119,283,276	100.000%	0	0	0%
Religious/ Non-profit	401	401	100.000%	155,502,640	155,502,640	100.000%	0	0	0%
Government	338	338	100.000%	239,948,753	239,948,753	100.000%	0	0	0%
Education	83	83	100.000%	112,974,247	112,974,247	100.000%	0	0	0%
Utilities	111	111	100.000%	15,186,185	15,186,185	100.000%	0	0	0%
Total	38,123	38,123	100.000%	4,810,063,837	4,810,063,837	100.000%	112,515	112,515	100%

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

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

NO GMIS CRITICAL FACILITIES
ARE LIKELY TO BE IMPACTED BY THIS
HAZARD

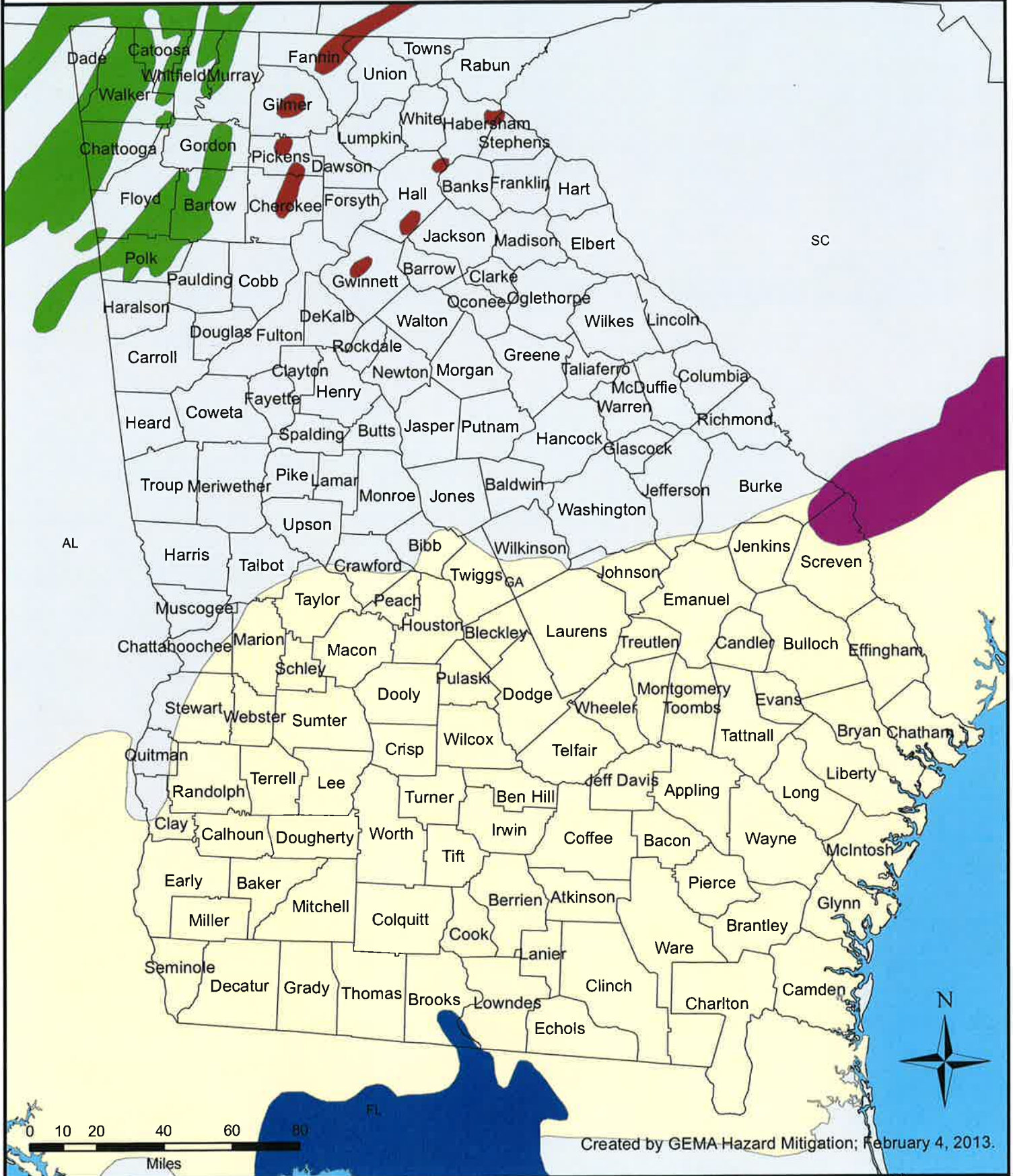


GMIS Critical Facilities Map – Sinkholes



Sinkhole Potential for Georgia

US Geological Survey



VIII. Dam Failure

- A. Dam Failure Hazard Description – Dam failure is the unplanned release of stored water in a lake causing rapid flooding conditions downstream. The flow of water is normally rather rapid after the collapse of the dam, putting downstream structures and people at risk.
- B. Data – Events, Worksheet 3A, GEMA Critical Facility Inventory Report, Maps

Dam Failure data was determined from local history and personal accounts in order to determine frequency of events.

GEMA Worksheet #3a**Inventory of Assets****Jurisdiction: Lowndes****Hazard: Dam Failure**

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	31,847	290	0.912%	2,755,703,596	25,132,017	0.912%	112,515	1,026	1%
Commercial	3,742	2	0.060%	1,184,803,804	710,882	0.060%	0	0	0%
Industrial	364	7	2.010%	226,661,336	4,555,893	2.010%	0	0	0%
Agricultural	1,237	51	4.115%	119,283,276	4,908,507	4.115%	0	0	0%
Religious/ Non-profit	401	4	0.978%	155,502,640	1,520,816	0.978%	0	0	0%
Government	338	5	1.598%	239,948,753	3,834,381	1.598%	0	0	0%
Education	83	0	0.000%	112,974,247	0	0.000%	0	0	0%
Utilities	111	13	11.765%	15,186,185	1,786,655	11.765%	0	0	0%
Total	38,123	373	0.979%	4,810,063,837	42,449,150	0.883%	112,515	1,026	1%

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

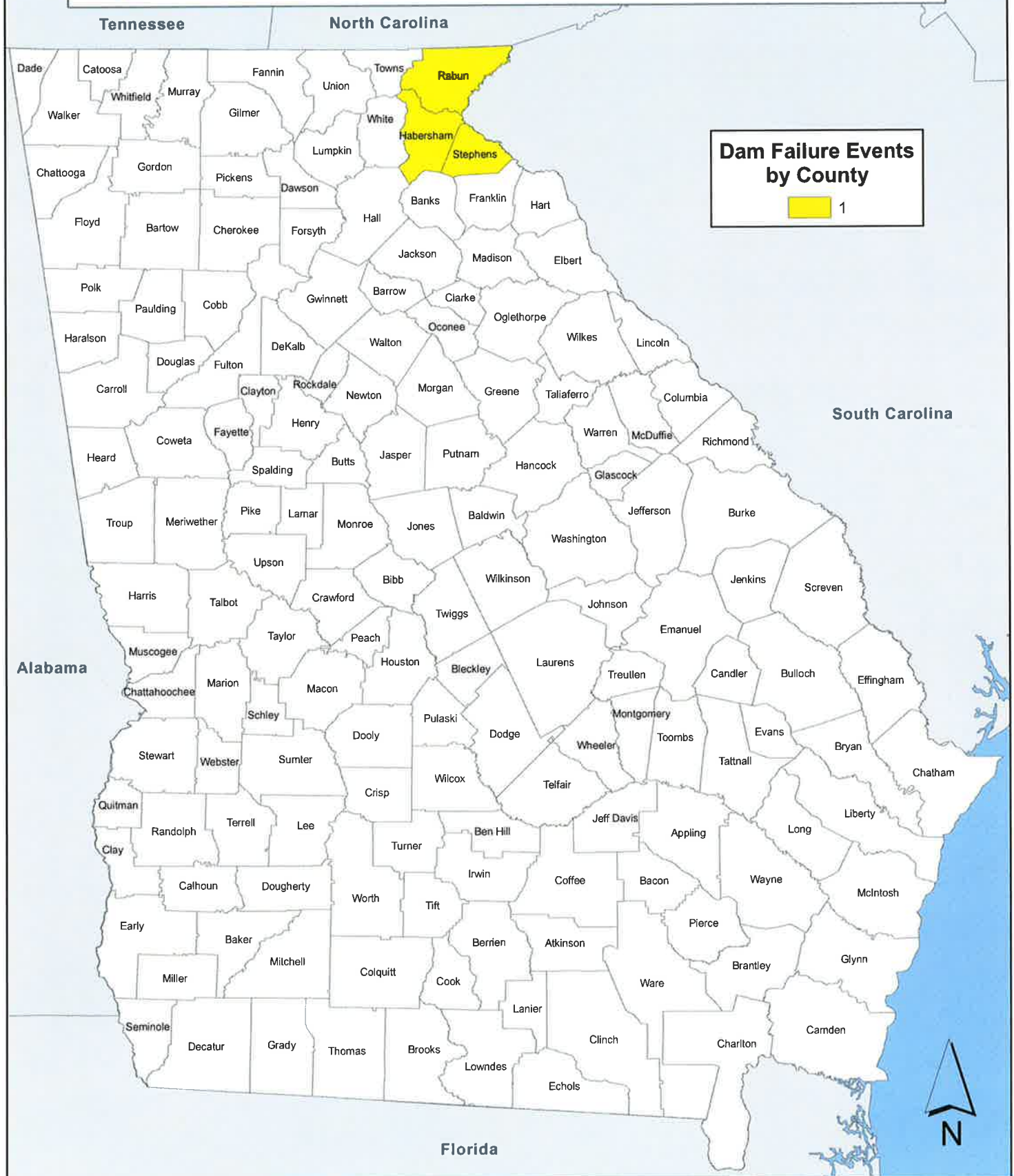
- | | |
|---|--------|
| | Y N |
| 1. Do you know where the greatest damages may occur in your area? | Y |
| 2. Do you know whether your critical facilities will be operational after a hazard event? | Y |
| 3. Is there enough data to determine which assets are subject to the greatest potential damages?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

NO GMIS CRITICAL FACILITIES
ARE LIKELY TO BE IMPACTED BY THIS
HAZARD

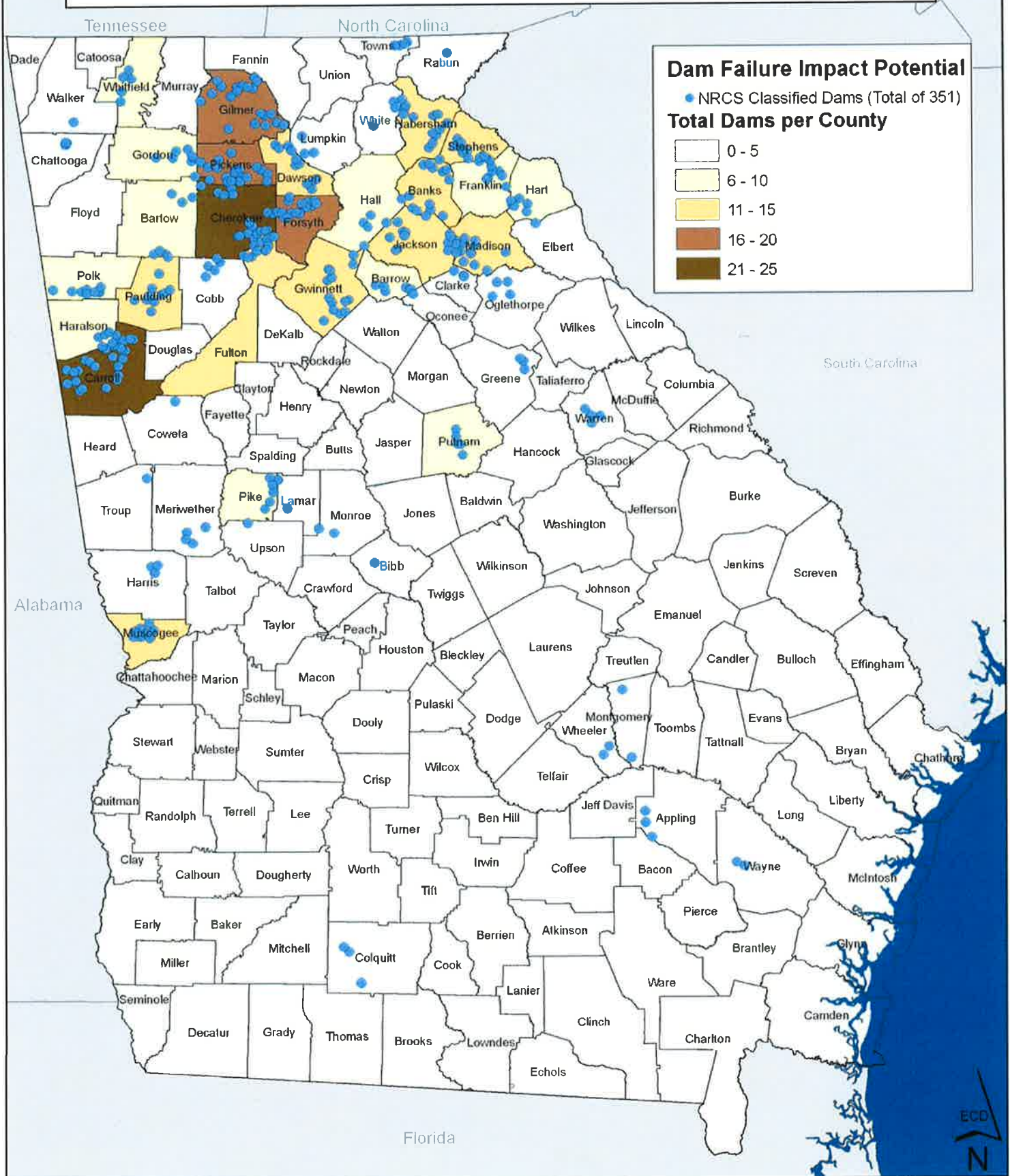


Dam Failure Events 1960-2012 SHELDUS Data

Dam Failure Events by County







IX. Hail

- A. Hail Hazard Description – Hail is formed when updraft currents within a thunderstorm carry water droplets to an altitude where freezing occurs. When these frozen ice particles become too heavy they fall to the ground in the form of hail stones. Hail can range in size from very small (pea sized) to large stones in excess of an inch in diameter. Generally speaking the larger stones are associated with more severe storms. Hail causes over \$1 billion in crop and property damage across the US each year. Fortunately, it has not historically been the cause of high amounts of damage in Lowndes County, but with each storm the potential is still present. The greatest threat to crops is mainly to the numerous pecan orchards and cotton fields present in this and surrounding areas. There are also at least a handful of reports each year of hail damage to local vehicles and homes.

- B. Data – Events, Worksheet 3A, GEMA Critical Facility Inventory Report, Maps

National Climatic Data Center

[Home](#) [Contact Us](#) [About NCDC](#) [Help](#)

NCDC > Storm Events Database (Select State) > (Select Date/County/Event)

Storm Events Database

Data Access

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

Documentation

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

External Resources

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

Storm Events Database

Search Results for Lowndes County, Georgia

45 events were reported between 01/01/1950 and 12/31/2014 (23741 days)

Summary Info:

Number of County/Zone areas affected:	1
Number of Days with Event:	34
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.Select: Sort By:

Data Export: (current results)



Location	County/Zone	St.	Date	Time	T.Z.	Type	Mag	Dth	Inj	PrD	CrD
Totals:								0	0	0.00K	0.00K
LOWNDES CO.	LOWNDES CO.	GA	05/30/1957	18:00	CST	Hail	0.75 in.	0	0	0.00K	0.00K
LOWNDES CO.	LOWNDES CO.	GA	06/14/1959	13:30	CST	Hail	0.75 in.	0	0	0.00K	0.00K
LOWNDES CO.	LOWNDES CO.	GA	04/15/1961	07:30	CST	Hail	1.75 in.	0	0	0.00K	0.00K
LOWNDES CO.	LOWNDES CO.	GA	04/30/1971	06:50	CST	Hail	1.75 in.	0	0	0.00K	0.00K
LOWNDES CO.	LOWNDES CO.	GA	05/04/1974	13:45	CST	Hail	1.75 in.	0	0	0.00K	0.00K
LOWNDES CO.	LOWNDES CO.	GA	05/26/1975	15:35	CST	Hail	1.75 in.	0	0	0.00K	0.00K
LOWNDES CO.	LOWNDES CO.	GA	03/12/1980	15:46	CST	Hail	0.75 in.	0	0	0.00K	0.00K
LOWNDES CO.	LOWNDES CO.	GA	05/23/1982	15:53	CST	Hail	1.75 in.	0	0	0.00K	0.00K
LOWNDES CO.	LOWNDES CO.	GA	07/29/1987	18:00	CST	Hail	1.00 in.	0	0	0.00K	0.00K
LOWNDES CO.	LOWNDES CO.	GA	04/20/1991	18:15	CST	Hail	1.75 in.	0	0	0.00K	0.00K
Valdosta	LOWNDES CO.	GA	03/26/1993	19:36	EST	Hail	1.00 in.	0	0	0.00K	0.00K
Valdosta	LOWNDES CO.	GA	01/28/1995	14:45	EST	Hail	1.25 in.	0	0	0.00K	0.00K
Lake Park	LOWNDES CO.	GA	03/16/1995	15:50	EST	Hail	1.75 in.	0	0	0.00K	0.00K
Valdosta	LOWNDES CO.	GA	06/10/1995	19:15	EST	Hail	0.75 in.	0	0	0.00K	0.00K
NORTHERN	LOWNDES CO.	GA	03/30/1997	12:30	EST	Hail	2.50 in.	0	0	0.00K	0.00K
VALDOSTA	LOWNDES CO.	GA	05/04/1998	14:15	EST	Hail	1.75 in.	0	0	0.00K	0.00K
BEMISS	LOWNDES CO.	GA	05/04/1998	14:23	EST	Hail	1.75 in.	0	0	0.00K	0.00K
VALDOSTA	LOWNDES CO.	GA	05/04/1998	14:50	EST	Hail	1.75 in.	0	0	0.00K	0.00K
VALDOSTA	LOWNDES CO.	GA	06/01/2004	14:50	EST	Hail	0.88 in.	0	0	0.00K	0.00K
WEST VALDOSTA	LOWNDES CO.	GA	03/14/2005	17:18	EST	Hail	1.75 in.	0	0	0.00K	0.00K
MOODY AFB	LOWNDES CO.	GA	03/22/2005	17:02	EST	Hail	1.00 in.	0	0	0.00K	0.00K
CLYATTVILLE	LOWNDES CO.	GA	02/03/2006	19:45	EST	Hail	1.75 in.	0	0	0.00K	0.00K
VALDOSTA	LOWNDES CO.	GA	02/03/2006	19:57	EST	Hail	0.75 in.	0	0	0.00K	0.00K
CLYATTVILLE	LOWNDES CO.	GA	02/03/2006	20:08	EST	Hail	1.75 in.	0	0	0.00K	0.00K
VALDOSTA	LOWNDES CO.	GA	07/27/2006	19:22	EST	Hail	0.75 in.	0	0	0.00K	0.00K
VALDOSTA	LOWNDES CO.	GA	07/27/2006	19:40	EST	Hail	1.75 in.	0	0	0.00K	0.00K
HAHIRA	LOWNDES CO.	GA	02/26/2008	13:20	EST-5	Hail	0.88 in.	0	0	0.00K	0.00K
VALDOSTA	LOWNDES CO.	GA	05/21/2008	16:22	EST-5	Hail	0.75 in.	0	0	0.00K	0.00K

KINDERLOU	LOWNDES CO.	GA	05/21/2008	16:25	EST-5	Hail	0.88 in.	0	0	0.00K	0.00K
KINDERLOU	LOWNDES CO.	GA	05/21/2008	16:30	EST-5	Hail	1.75 in.	0	0	0.00K	0.00K
DELMAR	LOWNDES CO.	GA	08/07/2008	16:55	EST-5	Hail	1.00 in.	0	0	0.00K	0.00K
I-75 AT EXIT 22	LOWNDES CO.	GA	04/20/2009	17:01	EST-5	Hail	1.00 in.	0	0	0.00K	0.00K
(VLD)VALDOSTA REGIONAL ARPT	LOWNDES CO.	GA	06/18/2009	18:16	EST-5	Hail	1.00 in.	0	0	0.00K	0.00K
VALDOSTA	LOWNDES CO.	GA	08/07/2009	15:50	EST-5	Hail	1.00 in.	0	0	0.00K	0.00K
CLYATTVILLE	LOWNDES CO.	GA	03/26/2011	15:27	EST-5	Hail	1.00 in.	0	0	0.00K	0.00K
NAYLOR	LOWNDES CO.	GA	03/27/2011	14:53	EST-5	Hail	1.75 in.	0	0	0.00K	0.00K
I-75 AT EXIT 22	LOWNDES CO.	GA	03/27/2011	18:15	EST-5	Hail	1.00 in.	0	0	0.00K	0.00K
(VAD)MOODY AFB	LOWNDES CO.	GA	03/27/2011	18:19	EST-5	Hail	1.00 in.	0	0	0.00K	0.00K
REMERTON	LOWNDES CO.	GA	03/27/2011	18:23	EST-5	Hail	1.00 in.	0	0	0.00K	0.00K
BARRETTTS	LOWNDES CO.	GA	03/03/2012	12:55	EST-5	Hail	1.75 in.	0	0	0.00K	0.00K
I-75 AT EXIT 22	LOWNDES CO.	GA	03/14/2012	16:30	EST-5	Hail	0.75 in.	0	0	0.00K	0.00K
NAYLOR	LOWNDES CO.	GA	03/16/2012	18:21	EST-5	Hail	1.00 in.	0	0	0.00K	0.00K
LAKE PARK	LOWNDES CO.	GA	03/16/2012	18:54	EST-5	Hail	0.75 in.	0	0	0.00K	0.00K
HAHIRA	LOWNDES CO.	GA	05/06/2012	14:55	EST-5	Hail	1.00 in.	0	0	0.00K	0.00K
I-75 AT EXIT 11	LOWNDES CO.	GA	02/24/2013	19:05	EST-5	Hail	0.75 in.	0	0	0.00K	0.00K
Totals:								0	0	0.00K	0.00K

[Privacy Policy](#) | [FOIA](#) | [Information Quality](#) | [Disclaimer](#) | [Contact Us](#)



GEMA Worksheet #3a**Inventory of Assets****Jurisdiction: Lowndes****Hazard: Hail**

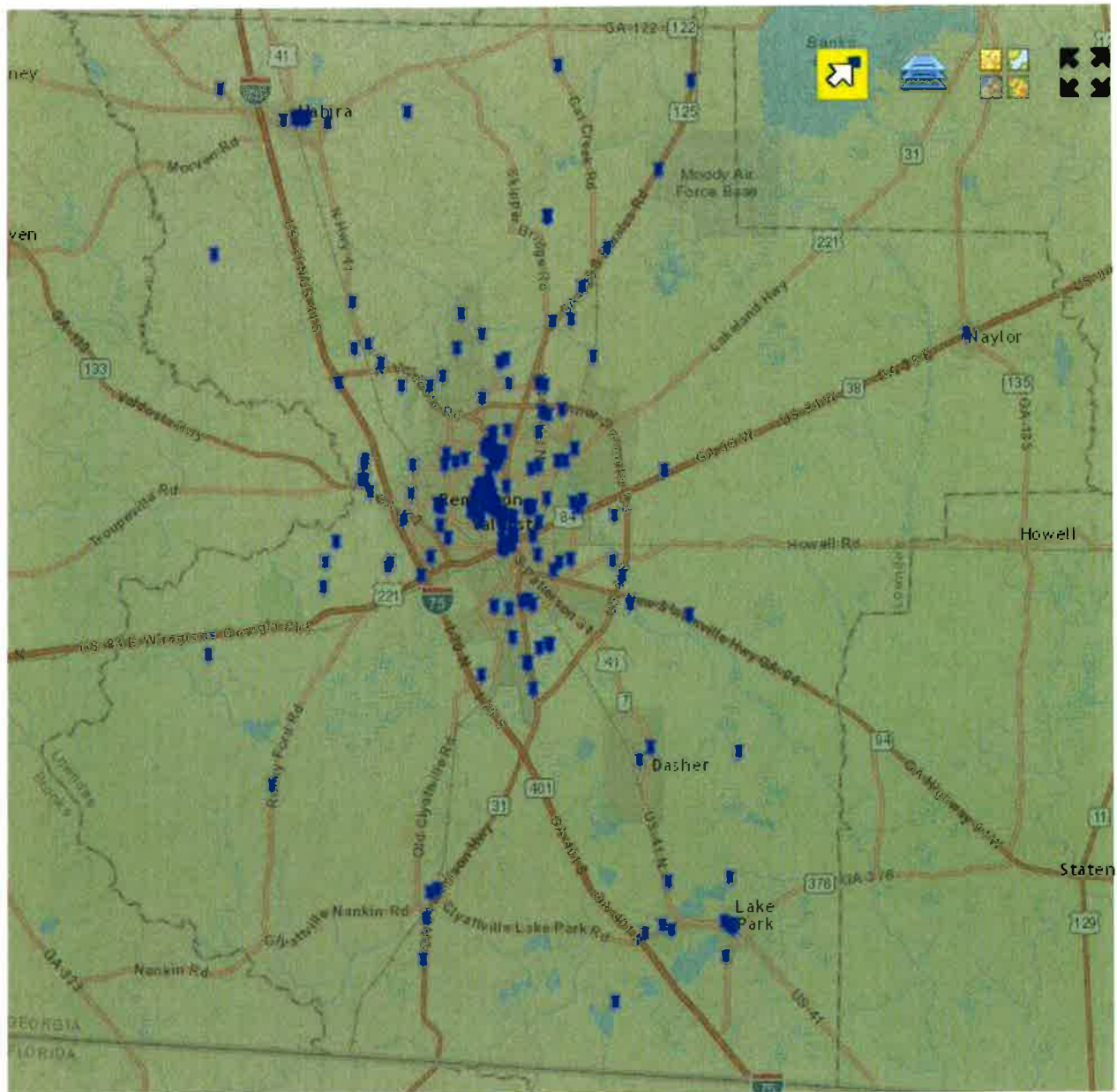
Task A. Determine the proportion of buildings, the value of buildings, and the population in your community or state that are located in hazard areas.

Type of Structure (Occupancy Class)	Number of Structures			Value of Structures			Number of People		
	# in Community of State	# in Hazard Area	% in Hazard Area	\$ in Community or State	\$ in Hazard Area	% in Hazard Area	# in Community or State	# in Hazard Area	% in Hazard Area
Residential	31,847	31,847	100.000%	2,755,703,596	2,755,703,596	100.000%	112,515	112,515	100%
Commercial	3,742	3,742	100.000%	1,184,803,804	1,184,803,804	100.000%	0	0	0%
Industrial	364	364	100.000%	226,661,336	226,661,336	100.000%	0	0	0%
Agricultural	1,237	1,237	100.000%	119,283,276	119,283,276	100.000%	0	0	0%
Religious/ Non-profit	401	401	100.000%	155,502,640	155,502,640	100.000%	0	0	0%
Government	338	338	100.000%	239,948,753	239,948,753	100.000%	0	0	0%
Education	83	83	100.000%	112,974,247	112,974,247	100.000%	0	0	0%
Utilities	111	111	100.000%	15,186,185	15,186,185	100.000%	0	0	0%
Total	38,123	38,123	100.000%	4,810,063,837	4,810,063,837	100.000%	112,515	112,515	100%

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

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

PLEASE SEE
GMIS CRITICAL FACILITIES DATA IN
APPENDIX A PART III
FOR HAZARD AMOUNTS



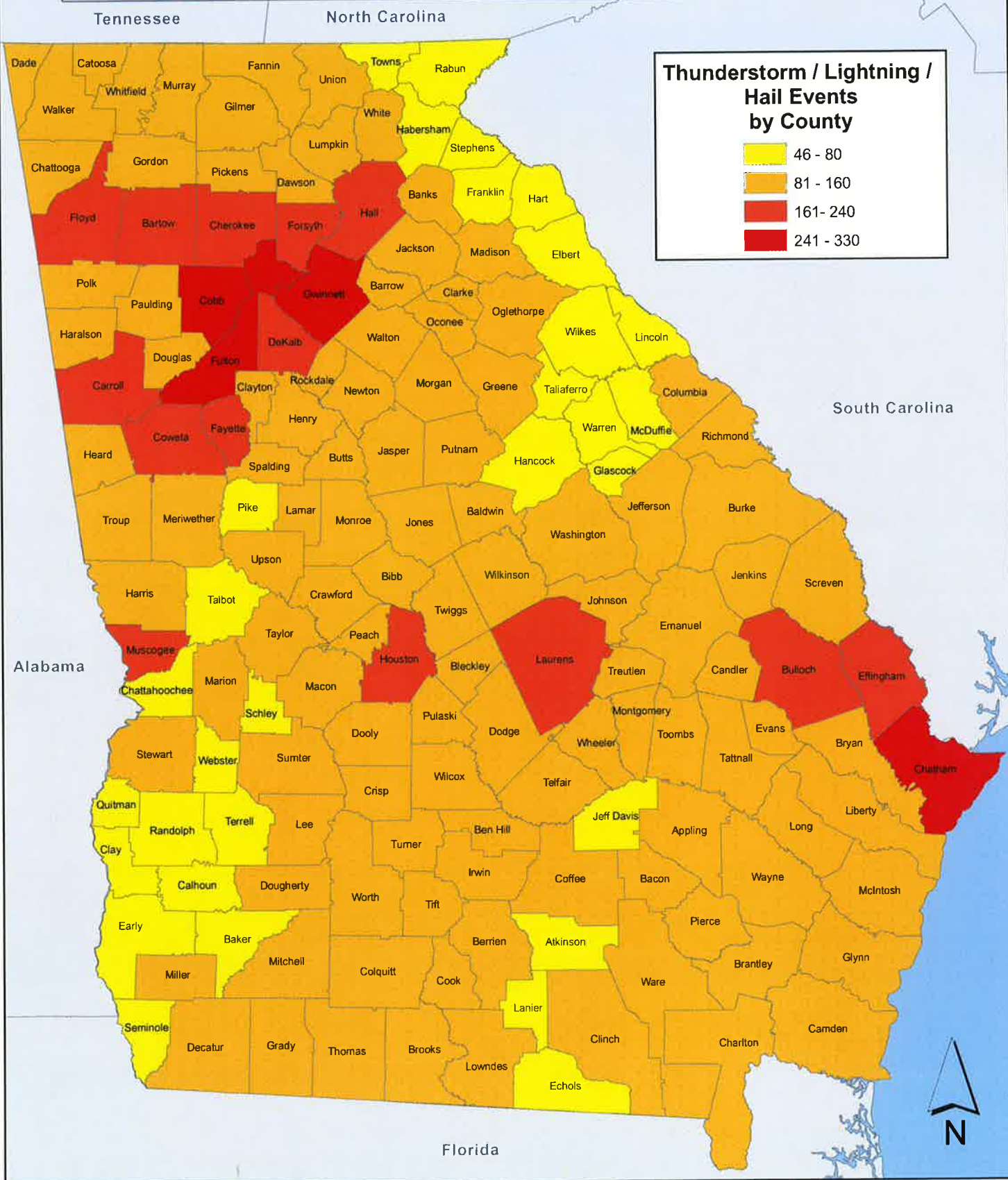
GMIS Critical Facilities Map – Hail



Thunderstorm / Lightning / Hail Events

1960-2012

SHELDUS Data



X. Public Health Emergency

- A. Public Health Emergency Hazard Description—The National Disaster Medical System Federal Partners Memorandum of Agreement defines a public health emergency as "an emergency need for health care [medical] services to respond to a disaster, significant outbreak of an infectious disease, bioterrorist attack or other significant or catastrophic event. For purposes of NDMS activation, a public health emergency may include but is not limited to, public health emergencies declared by the Secretary of HHS [Health and Human Services] under 42 U.S.C. 247d, or a declaration of a major disaster or emergency under the Robert T. Stafford Disaster Relief and Emergency Assistance Act (Stafford Act), 42 U.S.C. 5121-5206).

Source: Wikipedia "Public Health Emergency-United States"

A Public Health Emergency from the Perspective of the U.S. National Disaster Medical System (NDMS)". 2007-04-10.

NATIONAL DISASTER MEDICAL SYSTEM MEMORANDUM OF AGREEMENT AMONG THE DEPARTMENTS OF HOMELAND SECURITY, HEALTH AND HUMAN SERVICES, VETERANS AFFAIRS, AND DEFENSE" (PDF). 2005-09-26.

- B. Data – Events, Worksheet 3A, GEMA Critical Facility Inventory Report, Maps

Public Health Emergency data was determined by using the 1820, 1854, 1876-1888 Yellow Fever Epidemics, 1830-1851 Cholera Pandemic, 1916 Polio Epidemic, 1918 Influenza Pandemic, 1952 Polio Epidemic, 1957 Asian Flu Pandemic, H1N1, Enterovirus D68, MERS, Ebola Virus, and Zika Virus in order to determine frequency of events.

GEMA Worksheet #3a**Inventory of Assets****Jurisdiction: Lowndes****Hazard: Public Health Emergency**

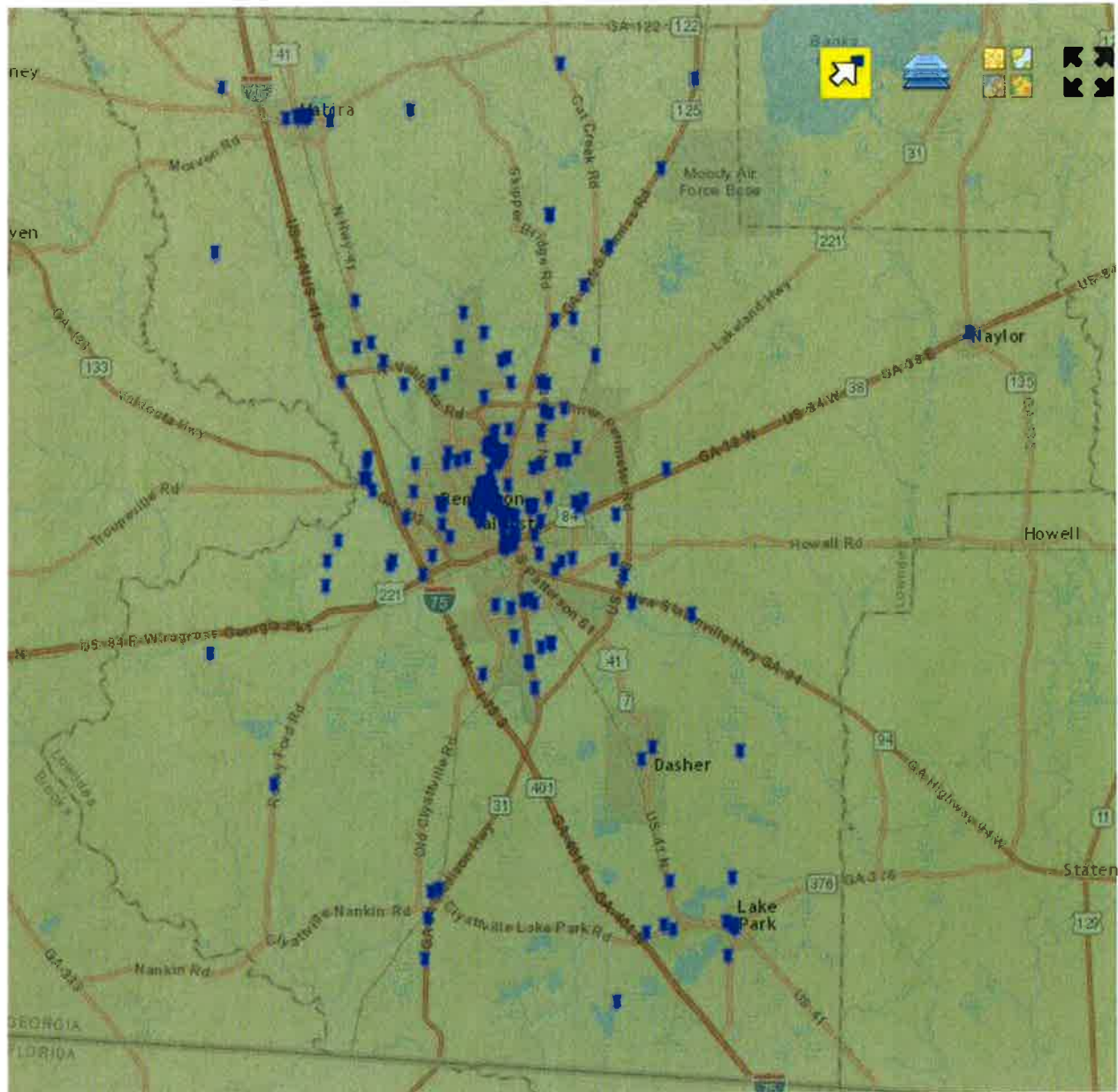
Task A. Determine the proportion of buildings, the value of buildings, and the population in your community or state that are located in hazard areas.

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	31,847	31,847	100.000%	2,755,703,596	2,755,703,596	100.000%	112,515	112,515	100%
Commercial	3,742	3,742	100.000%	1,184,803,804	1,184,803,804	100.000%	0	0	0%
Industrial	364	364	100.000%	226,661,336	226,661,336	100.000%	0	0	0%
Agricultural	1,237	1,237	100.000%	119,283,276	119,283,276	100.000%	0	0	0%
Religious/ Non-profit	401	401	100.000%	155,502,640	155,502,640	100.000%	0	0	0%
Government	338	338	100.000%	239,948,753	239,948,753	100.000%	0	0	0%
Education	83	83	100.000%	112,974,247	112,974,247	100.000%	0	0	0%
Utilities	111	111	100.000%	15,186,185	15,186,185	100.000%	0	0	0%
Total	38,123	38,123	100.000%	4,810,063,837	4,810,063,837	100.000%	112,515	112,515	100%

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

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

PLEASE SEE
GMIS CRITICAL FACILITIES DATA IN
APPENDIX A PART III
FOR HAZARD AMOUNTS



GMIS Critical Facilities Map – Public Health Emergency

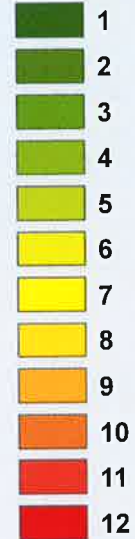
XI. Other Data



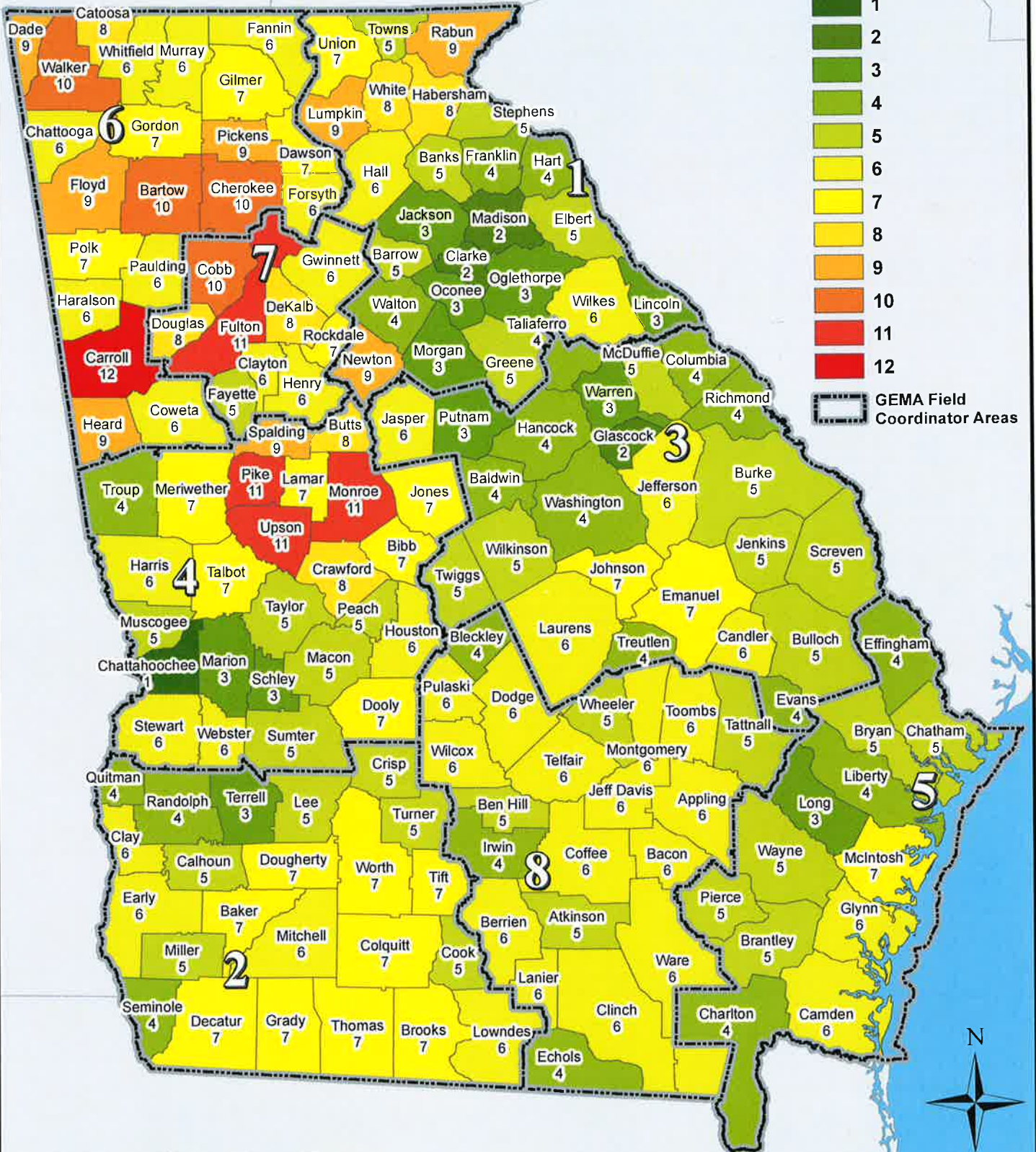
Federal Declared Disasters in Georgia

1990 - 2014

Disasters Per County



GEMA Field Coordinator Areas



(Map Revised 3/11/2014)

For Map Updates - (404) 635-7212

Presidential Major Disaster Declarations				
Number	Declaration Date	State/Tribal Government	Incident Description	Declaration Type
4215	4/20/2015	Georgia	Severe Winter Storm	Major Disaster Declaration
4165	3/6/2014	Georgia	Severe Winter Storm	Major Disaster Declaration
1973	4/29/2011	Georgia	Severe Storms, Tornadoes, Straight-line Winds, and Associated Flooding	Major Disaster Declaration
1858	9/24/2009	Georgia	Severe Storms and Flooding	Major Disaster Declaration
1833	4/23/2009	Georgia	Severe Storms, Flooding, Tornadoes, and Straight-line Winds	Major Disaster Declaration
1761	5/23/2008	Georgia	Severe Storms and Flooding	Major Disaster Declaration
1750	3/20/2008	Georgia	Severe Storms and Tornadoes	Major Disaster Declaration
1686	3/3/2007	Georgia	Severe Storms and Tornadoes	Major Disaster Declaration
1560	9/24/2004	Georgia	Tropical Storm Frances	Major Disaster Declaration
1554	9/18/2004	Georgia	Hurricane Ivan	Major Disaster Declaration
1315	2/15/2000	Georgia	Tornadoes	Major Disaster Declaration
1311	1/28/2000	Georgia	Winter Storm	Major Disaster Declaration
1271	4/20/1999	Georgia	Severe Storms and Tornadoes	Major Disaster Declaration
1209	3/11/1998	Georgia	Severe Storms, Tornadoes and Flooding	Major Disaster Declaration
1076	12/20/1995	Georgia	Severe Storms, Tornadoes	Major Disaster Declaration
1071	10/10/1995	Georgia	Hurricane Opal	Major Disaster Declaration
1042	10/19/1994	Georgia	Heavy Rains, Tornadoes, Flooding, High Winds	Major Disaster Declaration
1033	7/7/1994	Georgia	Tornadoes, Flooding, Heavy Rain, Tropical Storm Alberto	Major Disaster Declaration
1020	3/31/1994	Georgia	Severe Storm, Tornadoes, Flooding	Major Disaster Declaration
980	3/4/1993	Georgia	Tornadoes, High Winds, Heavy Rain	Major Disaster Declaration
969	12/1/1992	Georgia	Heavy Rain, High Winds, Tornadoes	Major Disaster Declaration
897	3/15/1991	Georgia	Flooding, Severe Storm	Major Disaster Declaration
880	10/19/1990	Georgia	Flooding, Severe Storm	Major Disaster Declaration
857	2/23/1990	Georgia	Flooding, Severe Storm, Tornado	Major Disaster Declaration
541	11/7/1977	Georgia	Dam Collapse, Flooding	Major Disaster Declaration
536	6/2/1977	Georgia	Shrimp Loss Due To Cold Weather	Major Disaster Declaration
507	6/11/1976	Georgia	SEVERE STORMS, FLOODING	Major Disaster Declaration
460	3/29/1975	Georgia	Tornadoes, High Winds, Heavy Rains	Major Disaster Declaration
425	4/5/1974	Georgia	TORNADOES	Major Disaster Declaration
391	6/11/1973	Georgia	SEVERE STORMS, TORNADOES	Major Disaster Declaration
370	4/4/1973	Georgia	TORNADOES, FLOODING	Major Disaster Declaration
214	3/14/1966	Georgia	FLOODING	Major Disaster Declaration
180	11/4/1964	Georgia	FLOODING	Major Disaster Declaration
177	9/10/1964	Georgia	HURRICANE DORA	Major Disaster Declaration
150	3/26/1963	Georgia	SEVERE STORMS, FLOODING	Major Disaster Declaration
110	3/2/1961	Georgia	FLOODS	Major Disaster Declaration
16	3/17/1954	Georgia	TORNADO	Major Disaster Declaration
1	5/2/1953	Georgia	TORNADO	Major Disaster Declaration

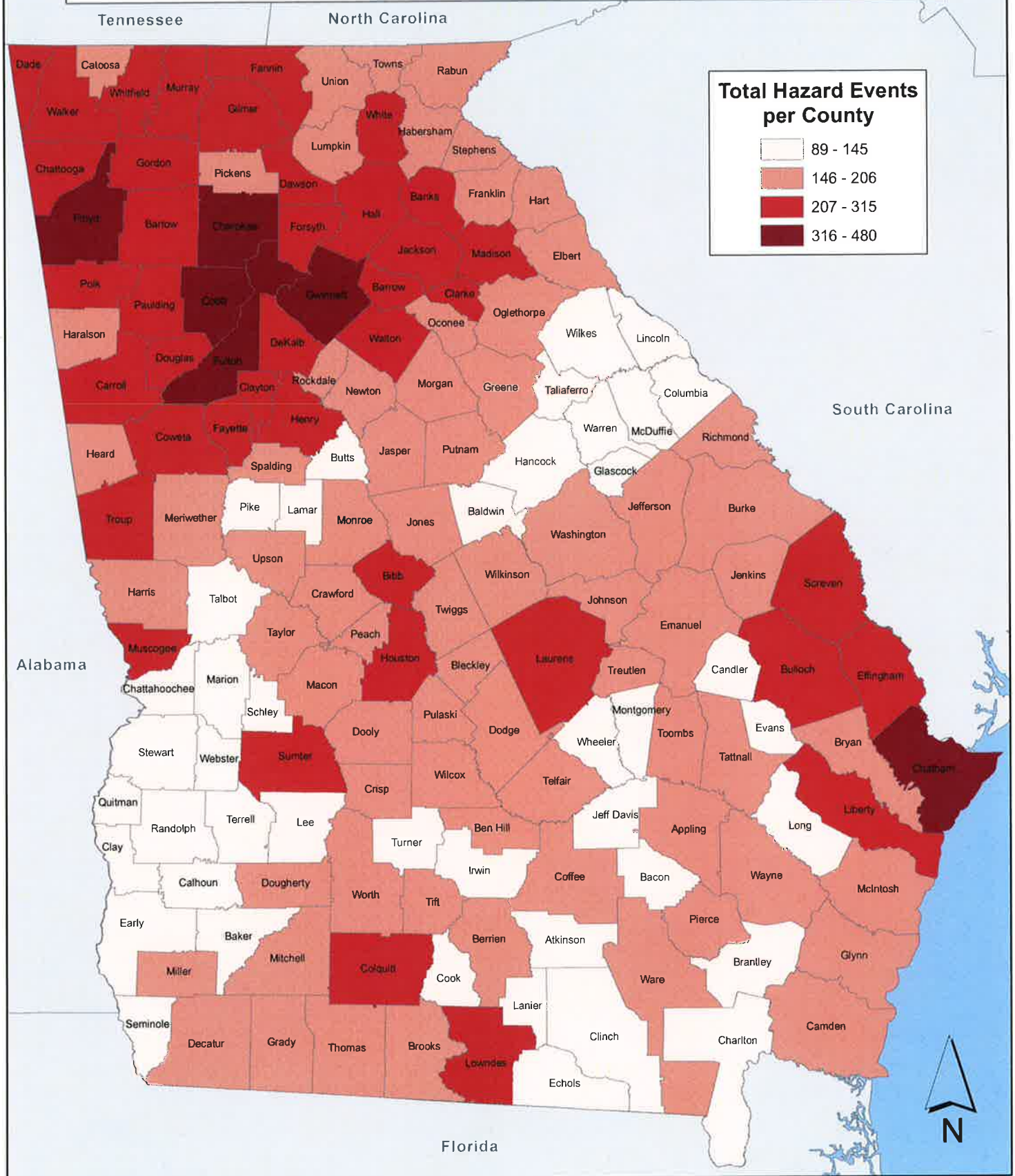
Emergency Declarations				
Number	Date	State/Tribal Government	Incident Description	Declaration Type
3368	2/11/2014	Georgia	Severe Winter Storm	Emergency Declaration
3218	9/5/2005	Georgia	Hurricane Katrina Evacuation	Emergency Declaration
3144	9/14/1999	Georgia	Hurricane Floyd	Emergency Declaration
3097	3/15/1993	Georgia	Severe Snowfall, Winter Storm	Emergency Declaration
3089	5/11/1984	Georgia	Severe Storms and Tornadoes	Emergency Declaration
3072	3/13/1979	Georgia	Rain, Flooding, Mudslide	Emergency Declaration
3044	7/20/1977	Georgia	Drought	Emergency Declaration
3008	3/14/1975	Georgia	Tornadoes	Emergency Declaration

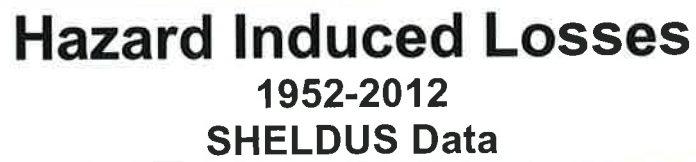
Fire Management Assistance Declarations				
Number	Date	State/Tribal Government	Incident Description	Declaration Type
2921	6/16/2011	Georgia	Sweat Farm Again Fire	Fire Management Assistance Declaration
2920	6/15/2011	Georgia	Racepond Fire	Fire Management Assistance Declaration
2876	3/25/2011	Georgia	Mosley Road Fire	Fire Management Assistance Declaration
2875	3/25/2011	Georgia	Elan Church Road Fire	Fire Management Assistance Declaration
2697	5/31/2007	Georgia	Harveytown Fire	Fire Management Assistance Declaration
2693	5/9/2007	Georgia	Bugaboo Scrub Fire	Fire Management Assistance Declaration
2688	5/5/2007	Georgia	Roundabout Fire	Fire Management Assistance Declaration
2686	4/26/2007	Georgia	Kneeknocker Swamp Fire	Fire Management Assistance Declaration
2685	4/17/2007	Georgia	Sweat Farm Road Fire	Fire Management Assistance Declaration
2362	5/23/2001	Georgia	Blounts Pasture Fire	Fire Management Assistance Declaration



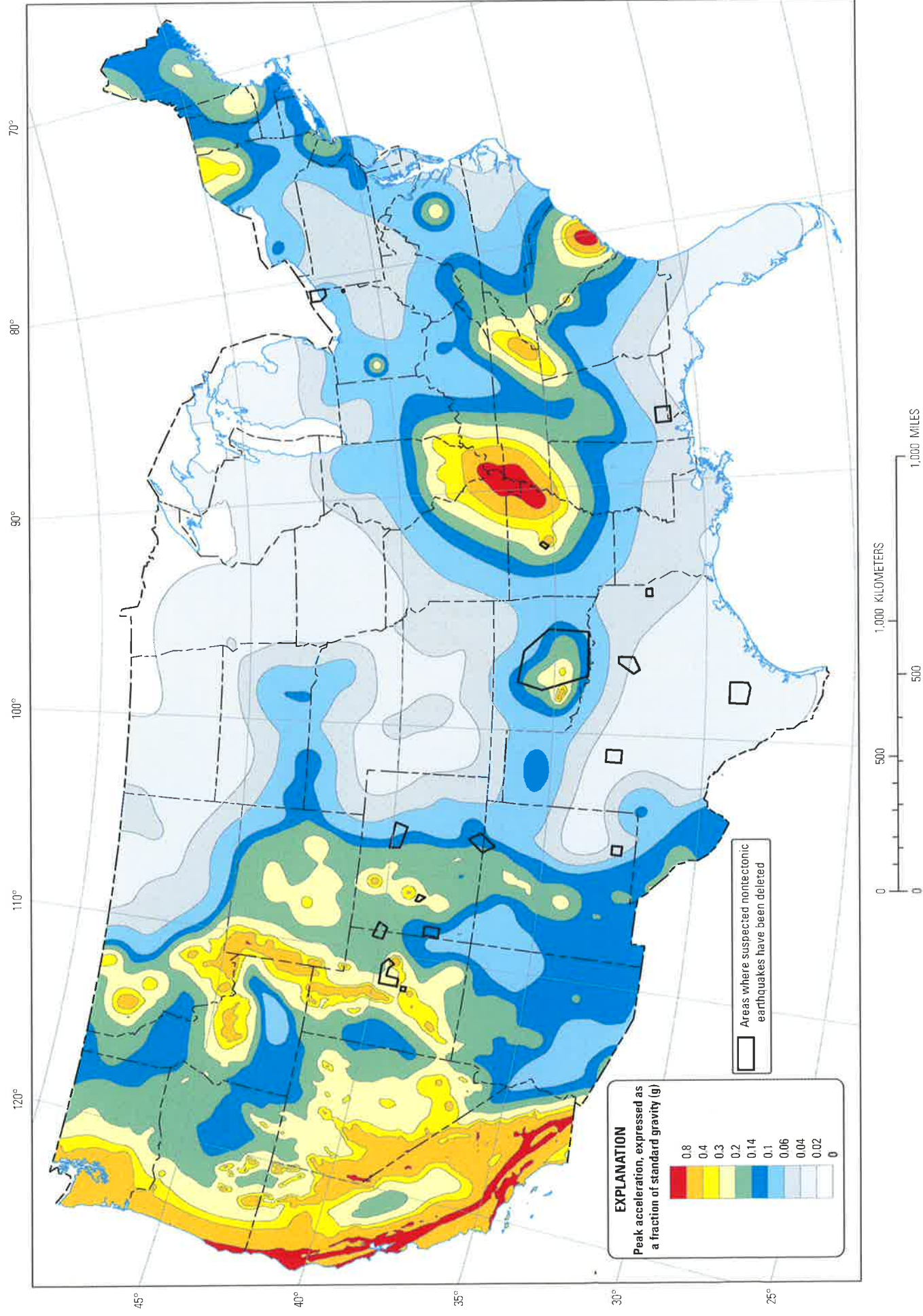
Total Hazard Events 1952-2012 SHELDUS Data

Total Hazard Events per County

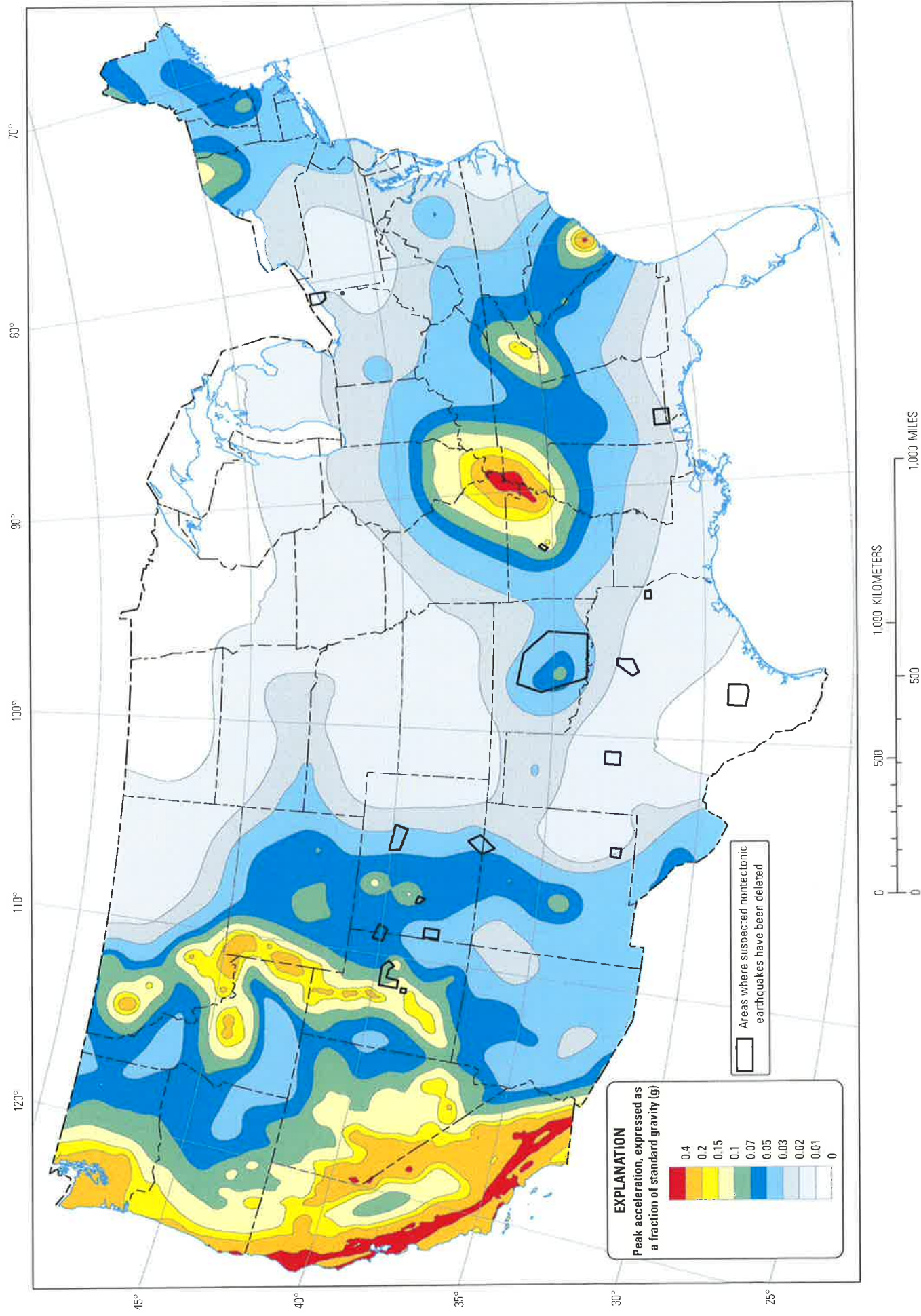








Two-percent probability of exceedance in 50 years map of peak ground acceleration



Ten-percent probability of exceedance in 50 years map of peak ground acceleration

Appendix B – Growth and Development Trends / Community Information

I. Greater Lowndes 2030 Comprehensive Plan Executive Summary

What is the Comprehensive Plan?

The Greater Lowndes 2030 Comprehensive Plan is essentially a guidebook or a road map for community development. The Plan includes goals and policies set by the community to guide elected officials in day to day decision making. These goals and policies are based on current and future projections regarding different aspects of the community including population, housing, and economic development. The Plan also includes a community vision, which should be a comprehensive statement depicting how the community views itself growing in the next 20 years.

What makes up the Comprehensive Plan?

The Comprehensive Plan consists of three sections:

First is the *Community Assessment*, which includes an inventory and analysis of 8 different elements. These are: Population, Economic Development, Housing, Natural and Cultural Resources, Community Facilities and Services, Land Use, Intergovernmental Coordination, and Transportation.

Staff collects and analyzes current data to determine existing trends and establish future projections, on which the goals and policies are based.

The second section is the *Community Participation Program*. This portion of the Plan illustrates how the various community stakeholders will be involved in the comprehensive planning process. Within this section the various meeting opportunities will be explained. Public participation is vital to ensure the adopted Comprehensive Plan truly represents community values and desires. Additionally, involvement by a broad group of stakeholders assists in the Plan's implementation as the community becomes invested in the goals and policies and works to see their realization.

The *Community Agenda* is the third component of the Plan. The Agenda lays out the actual road map for the community's future. This section of the Plan includes the community's vision, key issues and opportunities to be addressed during the next 20 years, and the implementation program for achieving the vision.

The *Short Term Work Program* is the actual implementation device for the Comprehensive Plan and lists the various projects each local government looks to address in the next 5 years.

II. Statistics/tables from Greater Lowndes 2030 Comprehensive Plan

The full text of the Greater Lowndes 2030 Comprehensive Plan can be viewed by accessing the

following web address: <http://www.sgrc.us/GLPC2030/index.htm>. Part of the plan is a Community Assessment which contains several appendices that provide a wide range of statistical data on the population, economic development, housing trends, etc. for Lowndes County. Please note that this plan was adopted in October 2006 so all of the statistical data and tables contained in the plan are based on data from the 2000 Census and projected estimates available prior to the time of completion so much of the material may be somewhat outdated.

III. Community Information

Lowndes County Community Profile

County Formed -December 23, 1825

County Seat -Valdosta

Incorporated Cities -Dasher, Hahira, Lake Park, Remerton and Valdosta

Total Area - 504.3 square miles

Population (2010 Census) – 109,233

History

Lowndes County is named for William Lowndes, a South Carolina statesman who died shortly after being nominated for Vice President of the United States. The county seat, Valdosta, was named for Governor George Troup's plantations, named for an Italian alpine valley, Val D'Osta.

The first county seat, Franklinville, was established in 1828. In 1837, Troupville became the county seat until the railroad surveyors came to the area. The citizens of Troupville decided to pick up and move the town four miles to ensure its economic prosperity. The town was then renamed Valdosta in 1860 and became the new seat of county government. Valdosta now has three National Register Historic Districts: Downtown, Victorian Fairview, and Patterson Street.

Points of Interest

The county's numerous opportunities for recreation include Langdale Park, the county's newest park. The 5,000-acre Grand Bay Wildlife Management Area, 10 miles north of Valdosta, is the second largest cypress-black gum bay in Georgia after the Okefenokee Swamp. Visitors to the Wildlife Management Area can fish, canoe, bird watch, hike, camp, and hunt.

Moody Air Force Base is located in the county. It was named for George Putnam Moody who died in an air crash in 1941. Tours are also available of many of the city's historic homes, such as the Crescent, which serves as the headquarters for the Valdosta Garden Center, and the Barber Pittman House, which was home to the first bottler of Coca-Cola outside of Atlanta.

Valdosta is the business and retail hub for South Georgia and North Florida.

Valdosta also has a symphony orchestra composed of local professional musicians, Valdosta

State University faculty and students, as well as guest artists.

Notable Citizens

Valdosta was the boyhood home of John Henry (Doc) Holliday from 1866-1972. The actual house was purchased and restored in 1981 for use as a residence.

Higher Education

Valdosta State University was originally founded in 1906 as South Georgia State Normal College for Women, and became part of the University of Georgia system in 1950.

Annual Events

In April, Valdosta hosts an Arts and Balloon Festival to celebrate fine art, ballet, theater, music, poetry, arts, and crafts. Other local festivals include the Azalea Festival in March, the Remerton Cotton Patch Festival in September and the Hahira Honey Bee Festival in October.

Appendix C – Other Planning documents

I. Lowndes County Emergency Operations Plan Executive Summary

Summary

This plan establishes a framework for emergency management planning and response to: prevent emergency situations; reduce vulnerability during disasters; establish capabilities to protect residents from effects of crisis; respond effectively and efficiently to actual emergencies; and provide for rapid recovery from any emergency or disaster affecting the local jurisdiction and Lowndes County.

This Emergency Operations Plan (EOP) is predicated on the National Incident Management System (NIMS) which integrates the capabilities and resources of various municipal jurisdictions, incident management and emergency response disciplines, nongovernmental organizations (NGOs), and the private sector into a cohesive, coordinated, and seamless framework for incident management. The EOP, using the NIMS, is an all-hazards plan that provides the structure and mechanisms for policy and operational coordination for incident management. Consistent with the model provided in the NIMS, the EOP can be partially or fully implemented in the context of a threat, anticipation of a significant event, or the response to a significant event. Selective implementation through the activation of one or more of the systems components allows maximum flexibility in meeting the unique operational and information-sharing requirements of the situation at hand and enabling effective interaction between various entities. The EOP, as the core operational plan for incident management, establishes county-level coordinating structures, processes, and protocols that will be incorporated into certain existing interagency incident- or hazard-specific plans (such as the Hurricane Plan) that is designed to implement specific statutory authorities and responsibilities of various departments and agencies in particular contingency.

Purpose

The purpose of the EOP is to establish a comprehensive, countywide, all-hazards approach to incident management across a spectrum of activities including prevention, preparedness, response, and recovery. The EOP incorporates best practices and procedures from various incident management disciplines - homeland security, emergency management, law enforcement, firefighting, hazardous materials response, public works, public health, emergency medical services, and responder and recovery worker health and safety - and integrates them into a unified coordinating structure. The EOP provides the framework for interaction with municipal governments; the private sector; and NGOs in the context of incident prevention, preparedness, response, and recovery activities. It describes capabilities and resources and establishes responsibilities, operational processes, and protocols to help protect from natural and manmade hazards; save lives; protect public health, safety, property, and the environment; and reduce adverse psychological consequences and disruptions. Finally, the EOP serves as the foundation for the development of detailed supplemental plans and procedures to effectively and efficiently implement incident management activities and assistance in the context of specific types of incidents. The EOP, using the NIMS, establishes mechanisms to:

- Maximize the integration of incident-related prevention, preparedness, response, and recovery activities;

- Improve coordination and integration of County, municipal, private-sector, and nongovernmental organization partners;
- Maximize efficient utilization of resources needed for effective incident management and Critical Infrastructure/Key Resources protection and restoration;
- Improve incident management communications and increase situational awareness across jurisdictions and between the public and private sectors;
- Facilitate emergency mutual aid and emergency support to municipal governments;
- Provide a proactive and integrated response to catastrophic events; and
- Address linkages to other incident management and emergency response plans developed for specific types of incidents or hazards.

A number of plans are linked to the EOP in the context of disasters or emergencies, but remain as stand-alone documents in that they also provide detailed protocols for responding to routine incidents that normally are managed by County agencies without the need for supplemental coordination. The EOP also incorporates other existing emergency response and incident management plans (with appropriate modifications and revisions) as integrated components, operational supplements, or supporting tactical plans.

This plan consists of the following components:

Scope and Applicability

The EOP covers the full range of complex and constantly changing requirements in anticipation of or in response to threats or acts of terrorism, major disasters, and other emergencies. The EOP also provides the basis to initiate long-term community recovery and mitigation activities. The EOP establishes interagency and multi-jurisdictional mechanisms for involvement in and coordination of, incident management operations. This plan distinguishes between incidents that require County coordination, termed disasters or emergencies, and the majority of incidents that are handled by responsible jurisdictions or agencies through other established authorities and existing plans.

In addition, the EOP:

- Recognizes and incorporates the various jurisdictional and functional authorities of departments and agencies; municipal governments; and private-sector organizations in incident management.
- Details the specific incident management roles and responsibilities of the departments and agencies involved in incident management as defined in relevant statutes and directives.
- Establishes the multi-agency organizational structures and processes required to implement the authorities, roles, and responsibilities for incident management.

This plan is applicable to all departments and agencies that may be requested to provide assistance or conduct operations in the context of actual or potential disasters or emergencies. Disasters or emergencies are high-impact events that require a coordinated and effective response by an appropriate combination of County, municipal, private-sector, and nongovernmental entities in order to save lives, minimize damage, and provide the basis for long-term community recovery and mitigation activities.

Key Concepts

This section summarizes key concepts that are reflected throughout the EOP.

- Systematic and coordinated incident management, including protocols for:
 - Coordinated action;
 - Alert and notification;
 - Mobilization of County resources to augment existing municipal capabilities;
 - Operating under differing threats or threat levels; and
 - Integration of crisis and consequence management functions.
-
- Proactive notification and deployment of resources in anticipation of or in response to catastrophic events in coordination and collaboration with municipal governments and private entities when possible.
- Organizing interagency efforts to minimize damage, restore impacted areas to pre-incident conditions if feasible, and/or implement programs to mitigate vulnerability to future events.
- Coordinating worker safety and health, private-sector involvement, and other activities that are common to the majority of incidents (see Support Annexes).
- Organizing ESFs to facilitate the delivery of critical resources, assets, and assistance. Departments and agencies are assigned to lead or support ESFs based on authorities, resources, and capabilities.
- Providing mechanisms for vertical and horizontal coordination, communications, and information sharing in response to threats or incidents. These mechanisms facilitate coordination among municipal entities and the County Government, as and information sharing in response to threats or incidents. These mechanisms facilitate coordination among municipal entities and the County Government, as well as between the public and private sectors.
- Facilitating support to County departments and agencies acting under the requesting department or agency's own authorities.
- Developing detailed supplemental operations, tactical, and hazard-specific contingency plans and procedures.
- Providing the basis for coordination of interdepartmental and municipal planning, training, exercising, assessment, coordination, and information exchange.

Appendix D – Worksheets used in planning process

- I. Completed GEMA/local worksheets except Worksheet 3A

Date: 9/22/2015

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 pose 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	___	___
Costal Erosion	___	___
Costal Storm	___	___
Dam Failure	X	X
Drought	X	X
Earthquake	___	___
Extreme Cold	X	X
Extreme Heat	X	X
Flood	X	X
Hailstorm	X	___
Hurricane	X	X
Land Slide	___	___
Severe Winter Storm	___	___
Tornado	X	X
Tsunami	___	___
Volcano	___	___
Wildfire	X	X
Windstorm	X	X
Chemical Release	X	X
Biological Release	X	___
Radiological Release	X	___
Explosive Device	X	___
Active Shooter	X	___
Public Health Emer.	X	X
Other <u>Lightning</u>	X	X
Other <u>Sinkholes</u>	X	X
Other <u>Solar Flares</u>	X	___

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
See Attached Sheets	See Attached Sheets	See Attached Sheets	See Attached Sheets

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

GEMA Worksheet #2

Profile Hazard Events Step 2

County: Lowndes

Date: 9/22/2015

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.
<p>Avalanche</p> <p>Coastal Storm / Coastal Erosion</p> <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: _____
<p>Dam Failure X</p>	
<p>Drought X</p>	
<p>Earthquake</p> <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.
<p>Expansive Soils</p>	
<p>Extreme Heat/Cold X</p>	
<p>Flood X</p> <ol style="list-style-type: none"> 1. Get a copy of your FIRM. Various 2. Verify the FIRM is up-to-date and complete. 9/08 	<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.
<p>Hailstorm</p>	
<p>Hurricane X</p>	
<p>Land Subsidence</p>	
<p>Landslide</p> <ol style="list-style-type: none"> 1. Map location of previous landslides. 2. Map the topography. _____ 3. Map the geology. _____ 4. Identify three high-hazard areas on your map. 	<ol style="list-style-type: none"> 1. Mark the areas susceptible to landslides onto your base map.
<p>Severe Winter Storm</p>	
<p>Tornado X</p> <ol style="list-style-type: none"> 1. Find your design wind speed. 90-99, 100-109 	<ol style="list-style-type: none"> 1. Record your design wind speed: 90-99/100-109 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.
<p>Tsunami</p>	
<p>Wildfire X</p> <ol style="list-style-type: none"> 1. Map the fuel models located within the urban-wildland interface areas. GFC 2. Map the topography. GFC 3. Determine your critical fire weather frequency. GFC 4. Determine your fire hazard severity. GFC 	<ol style="list-style-type: none"> 1. Draw the boundaries of your wildfire hazard areas onto your base map.
<p>Other: Windstorm, Lightning, Sinkholes, Public Health Emer.</p> <ol style="list-style-type: none"> 1. Map the hazard. Yes 	<ol style="list-style-type: none"> 1. Record hazard event info on your base map.

LOWNDES 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
Hurricane/Trop Wind	60	147	9	13	22	2.45	40.82	0.9	0.65	0.44
Floods	64	66	5	11	31	1.03	96.97	0.5	0.55	0.62
Wildfire	6791	57	764	1814	6300	0.01	11914.04	76.4	90.7	126
Tornado	23	58	8	10	19	2.52	39.66	0.8	0.5	0.38
Thunderstorm Wind	173	54	103	133	167	0.31	320.37	10.3	6.65	3.34
Hail	36	23	27	34	36	0.64	156.52	2.7	1.7	0.72
Drought	13	14	10	13	13	1.08	92.86	1	0.65	0.26
Extreme Heat	481	5	481	481	481	0.01	9620.00	48.1	24.05	9.62
Extreme Cold	39	5	39	39	39	0.13	780.00	3.9	1.95	0.78
Sinkhole	16	65	7	7	16	4.06	24.62	0.7	0.35	0.32
Dam Failure	0	65	0	0	0	#DIV/0!	0.00	0	0	0
Lightning	81760	10	81760	81760	81760	0.00	817600.00	8176	4088	1635.2
Public Health Em.	13	194	5	0	0	14.92	6.70	0.5	0	0

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.

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: Mitigation Goal #1 – Minimize Flood damage in Lowndes County.

Objective: Objective #1 - Minimize losses to existing and future structures, especially critical facilities, due to Flooding caused by excessive rainfall.

STAPLEE Criteria	S (Social)		T (Technical)			A (Administrative)			P (Political)			L (Legal)			E (Economic)				E (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
Petition FEMA to conduct a detailed Flood study county- wide and update local Flood Insurance Rate (FIRM) Maps.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Identify areas within Lowndes County that are prone to localized Flooding and identify cost- effective options to protect structures from Flood damage	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Identify critical facilities vulnerable to the effects of future Flooding events and incorporate the necessary measures to protect these facilities.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Review data on storm events to determine where repetitive Flooding occurs as a result of inadequate drainage infrastructure.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Use available data to develop plan for correcting known deficiencies in these Flood prone areas.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	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: Mitigation Goal #1 – Minimize Flood damage in Lowndes County.

Objective: Objective #1 - Minimize losses to existing and future structures, especially critical facilities, due to Flooding caused by excessive rainfall.

STAPLEE Criteria	S (Social)		T (Technical)			A (Administrative)			P (Political)			L (Legal)			E (Economic)				E (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
Identify alternative retention strategies.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Explore Army Corps of Engineers recommendation to construct a levee and culvert structure at the confluence of the Withlacoochee River and Sugar Creek.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	-	-	+	+	+

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: Mitigation Goal #1 – Minimize Flood damage in Lowndes County.

Objective: Objective #2 - Make Flood insurance available to every resident of Lowndes County.

[illegible]

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: Mitigation Goal #1 – Minimize Flood damage in Lowndes County.

Objective: Objective #3 - Develop interactive Flood model for the major rivers within Lowndes County and Valdosta.

STAPLEE Criteria	S (Social)		T (Technical)			A (Administrative)			P (Political)			L (Legal)			E (Economic)				E (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 SGRC staff to collect GIS data on local impacts along rivers at various stream gauge levels.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Utilize historical data to develop projected Flood impact model to be used for planning and warning purposes.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Utilize river gauges to establish Flood data.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	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: Mitigation Goal #1 – Minimize Flood damage in Lowndes County.

Objective: Objective #4 - Protect and preserve Flood-prone areas for greenspace use, such as community parks and recreation areas.

STAPLEE Criteria	S (Social)		T (Technical)			A (Administrative)			P (Political)			L (Legal)			E (Economic)				E (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
Monitor comprehensive land use plans to ensure mapping of lands to be permanently protected.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Monitor existing subdivision regulations to promote conservation of Floodplains, wetlands, and groundwater recharge areas.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Educate public and private organizations on methods for preserving parks and recreation areas.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	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: Mitigation Goal #1 – Minimize Flood damage in Lowndes County.

Objective: Objective #5 - Promote acquisition of Flood-prone areas.

STAPLEE Criteria	S (Social)		T (Technical)			A (Administrative)			P (Political)			L (Legal)			E (Economic)				E (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
Identify and purchase Flood-prone and high-risk properties as a method of reducing future Flood damage losses.	+	+	+	+	+	+	-	+	-	+	-	+	+	+	+	-	+	-	+	+	+	+	+

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: Mitigation Goal #1 – Minimize Flood damage in Lowndes County.

Objective: Objective #6 - Explore incorporation of increased buffers around natural features in Lowndes County.

STAPLEE Criteria	S (Social)		T (Technical)			A (Administrative)			P (Political)			L (Legal)			E (Economic)				E (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
Evaluate existing regulations to determine if buffering around natural features is adequate.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	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: Mitigation Goal #2 - Minimize damage caused by High Winds of Hurricanes and Tornadoes in Lowndes County.

Objective: Objective #1 - Educate the public about Hurricane and Tornado safety precautions.

STAPLEE Criteria	S (Social)		T (Technical)			A (Administrative)			P (Political)			L (Legal)			E (Economic)				E (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 education to homeowners, businesses and builders on the function and importance of safe rooms in the home and workplace.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Offer emergency preparedness training to citizens through programs such as the Community Emergency Response Team (CERT) training and the American Red Cross Citizen's Disaster Course.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Provide education to local business owners on the importance of emergency plans for their businesses and provide assistance with developing their plans.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Work with FEMA to develop local Storm Ready Supporter program to help recognize businesses that meet	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	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: Mitigation Goal #2 - Minimize damage caused by High Winds of Hurricanes and Tornadoes in Lowndes County.

Objective: Objective #2 - Reduce the potential impact of High Winds resulting from hurricanes and tornadoes on new and existing residences, buildings, and infrastructure.

STAPLEE Criteria	S (Social)		T (Technical)			A (Administrative)			P (Political)			L (Legal)			E (Economic)				E (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 local Public Works and Utilities to ensure that plans are in place to keep right of ways free of overhanging or dead limbs and other debris.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	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: Mitigation Goal #2 - Minimize damage caused by High Winds of Hurricanes and Tornadoes in Lowndes County.

Objective: Objective #3 - Ensure all existing and new institutional/public buildings are adequate to withstand sustained winds up to 109 mph.

[illegible]

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: Mitigation Goal #2 - Minimize damage caused by High Winds of Hurricanes and Tornadoes in Lowndes County.

Objective: Objective #3 - Ensure all existing and new institutional/public buildings are adequate to withstand sustained winds up to 109 mph.

STAPLEE Criteria	S (Social)		T (Technical)			A (Administrative)			P (Political)			L (Legal)			E (Economic)				E (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 local governments and other public agencies to consider using the FEMA guidelines for Community Safe Rooms when designing new structures.es underground.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Consider relocating utilities underground.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	+	+
Prewire manual transfer switches for generator use in infrastructure.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	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: Mitigation Goal #3 – Protect the citizens of Lowndes County from the threat of injury and other risks associated with Lightning strikes.

Objective: Objective #1 – Conduct needs assessment and development implementation plan for installation of Lightning detection equipment for all public outdoor recreation facilities.

[illegible]

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: Mitigation Goal #3 – Protect the citizens of Lowndes County from the threat of injury and other risks associated with Lightning strikes.

Objective: Objective #2 – Educate public on risks associated with Lightning and proper safety measures during Lightning storms.

STAPLEE Criteria	S (Social)		T (Technical)			A (Administrative)			P (Political)			L (Legal)			E (Economic)				E (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
Incorporate Lightning safety into presentations and materials presented to public.	+	+	+	+	+	+	-	+	+	+	+	+	+	+	+	+	+	+	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: Mitigation Goal #4 – Protect the citizens and property in Lowndes County from damage as a result of Wildfire.

Objective: Objective #1 – Develop a comprehensive mapping system to identify areas at risk of Wildfire and incorporate this mapping into existing planning and land use regulations to provide greater protection in the wildland-urban interface areas.

STAPLEE Criteria	S (Social)		T (Technical)			A (Administrative)			P (Political)			L (Legal)			E (Economic)				E (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 to provide mapping data from the GMIS Critical Facilities Database to local Planning Agencies for incorporation into current planning documents.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Request the Greater Lowndes County Planning Commission to consider the use of Urban/Wildland Interface in the development of its comprehensive plan.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	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: Mitigation Goal #4 – Protect the citizens and property in Lowndes County from damage as a result of Wildfire.

Objective: Objective #2 – Follow the priorities set forth by the Georgia Forestry Commission CWPP to provide Education and Outreach for the Lowndes County community

STAPLEE Criteria	S (Social)		T (Technical)			A (Administrative)			P (Political)			L (Legal)			E (Economic)				E (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 local developers and homeowner's associations to incorporate Firewise practices into new and existing developments.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Conduct "How to Have a Firewise Home" Workshop for Lowndes County Residents	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Conduct "Firewise" Workshop for Community Leaders	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Hold a Spring Clean-up Event for removing flammable vegetation and debris	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	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: Mitigation Goal #4 – Protect the citizens and property in Lowndes County from damage as a result of Wildfire.

Objective: Objective #2 – Follow the priorities set forth by the Georgia Forestry Commission CWPP to provide Education and Outreach for the Lowndes County community

STAPLEE Criteria	S (Social)		T (Technical)			A (Administrative)			P (Political)			L (Legal)			E (Economic)				E (Environmental)				
Considerations → for Alternative Actions ↓	Community Acceptance	Effect on Segment of Population	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance / Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land / Water	Effect on Endangered Species	Effect on HAZMAT / Waste Sites	Consistent with Community Environmental Goals	Consistent With Federal Laws
Develop and distribute informational packets on Firewise practices	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Create and exhibit a Wildfire Protection Display for the general public at Safety Day	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Hold an Open house at individual Fire Stations to promote Community Firewise Safety and develop community support and understanding of local fire departments and current issues	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	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: Mitigation Goal #4 – Protect the citizens and property in Lowndes County from damage as a result of Wildfire.

Objective: Objective #2 – Follow the priorities set forth by the Georgia Forestry Commission CWPP to provide Education and Outreach for the Lowndes County community

STAPLEE Criteria	S (Social)		T (Technical)			A (Administrative)			P (Political)			L (Legal)			E (Economic)				E (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
Invite the news media to community “Firewise” functions for news coverage and regularly submit press releases documenting Wildfire risk improvements in Lowndes 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: Mitigation Goal #4 – Protect the citizens and property in Lowndes County from damage as a result of Wildfire.

Objective: Objective #3 – Following the priorities set forth by the Georgia Forestry Commission CWPP to provide Community Hazard and Structural Ignitability Reduction for the Lowndes County community

STAPLEE Criteria	S (Social)		T (Technical)			A (Administrative)			P (Political)			L (Legal)			E (Economic)				E (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
Create a minimum of 30 feet of defensible space around all structures	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Reduce structural ignitability around applicable structures	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Hold Community Cleanup Days and cut, prune and mow vegetation in shared community spaces	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Ensure Right of Way clearance for emergency vehicles by maintaining vertical & horizontal clearance and seeing that adequate lengths of culvert are installed for driveway access.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	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: Mitigation Goal #4 – Protect the citizens and property in Lowndes County from damage as a result of Wildfire.

Objective: Objective #3 – Following the priorities set forth by the Georgia Forestry Commission CWPP to provide Community Hazard and Structural Ignitability Reduction for the Lowndes County community

STAPLEE Criteria	S (Social)		T (Technical)			A (Administrative)			P (Political)			L (Legal)			E (Economic)			E (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
Identify needed road improvements and, as roads are upgraded, widen to minimum standards with at least a 50 foot diameter cul-de-sac or turnaround	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Provide greater Burn Permit enforcement and education from the GA Forestry Comm.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	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: Mitigation Goal #4 – Protect the citizens and property in Lowndes County from damage as a result of Wildfire.

Objective: Objective #3 – Following the priorities set forth by the Georgia Forestry Commission CWPP to provide Community Hazard and Structural Ignitability Reduction for the Lowndes County community

STAPLEE Criteria	S (Social)		T (Technical)			A (Administrative)			P (Political)			L (Legal)			E (Economic)				E (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
Amend and enforce existing building codes as they relate to skirting, propane tank location, public nuisances (trash/debris on property), Property address marking standards and other relevant concerns; Review Subdivision ordinances for public safety concerns; and Enforce the uniform addressing ordinance	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	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: Mitigation Goal #4 – Protect the citizens and property in Lowndes County from damage as a result of Wildfire.

Objective: Objective #4 – Following the priorities set forth by the Georgia Forestry Commission CWPP to provide Wildland Fuel Reduction for the Lowndes County community

[illegible]

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: Mitigation Goal #4 – Protect the citizens and property in Lowndes County from damage as a result of Wildfire.

Objective: Objective #4 – Following the priorities set forth by the Georgia Forestry Commission CWPP to provide Wildland Fuel Reduction for the Lowndes County community

[illegible]

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: Mitigation Goal #4 – Protect the citizens and property in Lowndes County from damage as a result of Wildfire.

Objective: Objective #5 – Following the priorities set forth by the Georgia Forestry Commission CWPP to Improve Community Wildland Fire Response for Lowndes County

STAPLEE Criteria	S (Social)		T (Technical)			A (Administrative)			P (Political)			L (Legal)			E (Economic)				E (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
Inspect, maintain and improve access to existing dry hydrants; Add signage along road to mark dry hydrants; Locate additional dry hydrants as needed; and Locate and pre-clear helicopter dip sites.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Continue to support VALOR GIS updates to mapping of roads and water sources.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Improve road signage at crossroads and install "Dead End", "No Outlet" and other signage on road signs.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	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: Mitigation Goal #4 – Protect the citizens and property in Lowndes County from damage as a result of Wildfire.

Objective: Objective #6 – Improve Community Fire Response by providing necessary equipment, education and training

STAPLEE Criteria	S (Social)		T (Technical)			A (Administrative)			P (Political)			L (Legal)			E (Economic)				E (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
Per the CWPP, Obtain Wildland hand tools, lightweight PPE and Wildland Fire Suppression Training for fire personnel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Per the CWPP, Create Lowndes County WUI Fire Council	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Provide additional first responder & fire training, air unit chargers, PPE, SCBAs, Class A Pumpers & Fire Knocker trucks and other equipment to all Fire Departments for Wildfire use	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	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: Mitigation Goal #5 – Ensure that the citizens of Lowndes County are adequately warned of and protected from conditions which involve extremely high or low temperatures.

Objective: Objective #1 – Develop plans for providing suitable sheltering options during events involving extreme temperatures.

STAPLEE Criteria	S (Social)		T (Technical)			A (Administrative)			P (Political)			L (Legal)			E (Economic)				E (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
Identify facilities that may be used for sheltering during extreme temperature events.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Develop plan to establish guidelines governing the criteria for opening and operating shelters during extreme temperature related events.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A

Worksheet #4 Evaluate Alternative Mitigation Actions

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

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

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

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

Goal: Mitigation Goal #5 – Ensure that the citizens of Lowndes County are adequately warned of and protected from conditions which involve extremely high or low temperatures.

Objective: Objective #2 – Educate the public on issues related to these temperature extremes.

STAPLEE Criteria	S (Social)		T (Technical)			A (Administrative)			P (Political)			L (Legal)			E (Economic)				E (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 information to the public when extreme conditions are forecast by NWS officials to include information on signs, symptoms, and precautions to be taken as a result of extremely hot or cold conditions.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	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: Mitigation Goal #6 - Ensure adequate drinking water supply is available during Drought conditions.

Objective: Objective #1 - Provide temporary water supplies for domestic consumption as needed during Drought conditions.

STAPLEE Criteria	S (Social)		T (Technical)			A (Administrative)			P (Political)			L (Legal)		E (Economic)				E (Environmental)					
Considerations → for Alternative Actions ↓	Community Acceptance	Effect on Segment of Population	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance / Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land / Water	Effect on Endangered Species	Effect on HAZMAT / Waste Sites	Consistent with Community Environmental Goals	Consistent With Federal Laws
Develop a tiered plan to provide temporary water supplies for domestic consumption.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Develop tiered response plan to implement additional water restrictions when it is identified that Drought conditions exist.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	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: Mitigation Goal #7 - Protect Lowndes County from the threat of Sinkholes.

Objective: Objective #1 - Minimize the loss of life and property from Sinkholes.

STAPLEE Criteria	S (Social)		T (Technical)			A (Administrative)			P (Political)			L (Legal)			E (Economic)				E (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
Conduct ground study of areas identified as being at risk for potential sinkhole formation.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Include sinkhole study information in planning phase of new developments which may be affected by potential sinkhole formation.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	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: Mitigation Goal #8 - Minimize losses to existing and future structures, especially critical facilities, due to Flooding caused by Dam Failure.

Objective: Objective #1 - Ensure dams within Lowndes County are adequate to withstand stress from natural hazards.

[illegible]

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: Mitigation goal #9 – Prevent or reduce damage and injury caused by Hail in Lowndes County.

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

STAPLEE Criteria	S (Social)		T (Technical)			A (Administrative)			P (Political)			L (Legal)			E (Economic)				E (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
Install storm windows and/or ballistic film on new and existing Critical Facilities and promote their installation on new and existing private buildings	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Encourage the public to include Hail damage under insurance coverage and to store equipment and vehicles under shelters	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	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: Mitigation Goal #10 – Protect the population of Lowndes County from the effects of a public health emergency.

Objective: Objective 1 – Minimize loss of life and harm to public health due to a public health emergency.

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

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: Mitigation Goal #10 – Protect the population of Lowndes County from the effects of a public health emergency.

Objective: Objective 1 – Minimize loss of life and harm to public health due to a public health emergency.

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

Worksheet #4 Evaluate Alternative Mitigation Actions

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

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

Goal: Mitigation Goal #11 - Ensure the provision of essential utilities and the operation of critical facilities during a natural hazard event in Lowndes County.

Objective: Objective #1 - Minimize loss to levels of service, especially with critical facilities, due to any identified natural hazard.

[illegible]

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: Mitigation Goal #12 - Enhance the ability of the public to receive timely warnings and information about hazard events in Lowndes County.

Objective: Objective #1- Provide necessary and timely hazard warnings and information to the public.

STAPLEE Criteria	S (Social)		T (Technical)			A (Administrative)			P (Political)			L (Legal)			E (Economic)				E (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 public on the need for having a NOAA Weather Radio in every home and business and emphasize the NOAA Weather Radio System as the primary means to receive timely and accurate natural hazard warning information.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Increase public awareness of the warning and notification systems available community-wide such as NOAA weather radios, Code Red	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Conduct educational campaign to assist residents with programming and operation of NOAA Weather Radios.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	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: Mitigation Goal #12 - Enhance the ability of the public to receive timely warnings and information about hazard events in Lowndes County.

Objective: Objective #1- Provide necessary and timely hazard warnings and information to the public.

STAPLEE Criteria	S (Social)		T (Technical)			A (Administrative)			P (Political)			L (Legal)			E (Economic)				E (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 agreements with local radio and television outlets to allow for immediate dissemination of emergency information.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Provide signage and/or billboard advertisements along I-75 and US Highways in Lowndes County to inform travelers which radio stations may provide emergency information.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Research the availability of Interstate Radio in Lowndes 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: Mitigation Goal #12 - Enhance the ability of the public to receive timely warnings and information about hazard events in Lowndes County.

Objective: Objective #2 - Bring warning information to special needs individuals and community.

STAPLEE Criteria	S (Social)		T (Technical)			A (Administrative)			P (Political)			L (Legal)			E (Economic)				E (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
Incorporate methods for delivering emergency messaging to the special needs community (i.e. deaf, blind, non-English speaking, etc.) into emergency alert systems.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	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: Mitigation Goal #12 - Enhance the ability of the public to receive timely warnings and information about hazard events in Lowndes County.

Objective: Objective # 3 – Evaluate the feasibility of alternative warning systems.

[illegible]

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

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

STAPLEE Criteria	S (Social)		T (Technical)			A (Administrative)			P (Political)			L (Legal)			E (Economic)				E (Environmental)				
Considerations → for Alternative Actions ↓	Community Acceptance	Effect on Segment of Population	Technical Feasibility	Long-term Solution	Secondary Impacts	Staffing	Funding Allocated	Maintenance / Operations	Political Support	Local Champion	Public Support	State Authority	Existing Local Authority	Potential Legal Challenge	Benefit of Action	Cost of Action	Contributes to Economic Goals	Outside Funding Required	Effect on Land / Water	Effect on Endangered Species	Effect on HAZMAT / Waste Sites	Consistent with Community Environmental Goals	Consistent With Federal Laws
Network with emergency personnel staff at state and federal levels to help identify the “full range” of CBRNE risks and local needs in preparation for the availability of outside funding.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Submit competitive applications to fund equipment/training needs when potential funding sources are identified in Lowndes County	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N/A	N/A	N/A	N/A	N/A
Continue to be involved with Moody Air Force Base to increase readiness for CBRNE disasters	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	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: Mitigation Goal #1 - Be prepared to respond appropriately to any foreseeable CBRNE hazard event.

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

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

LOWNDES 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
Hurricane/Trop Wind	60	147	9	13	22	2.45	40.82	0.9	0.65	0.44
Floods	64	66	5	11	31	1.03	96.97	0.5	0.55	0.62
Wildfire	6791	57	764	1814	6300	0.01	11914.04	76.4	90.7	126
Tornado	23	58	8	10	19	2.52	39.66	0.8	0.5	0.38
Thunderstorm Wind	173	54	103	133	167	0.31	320.37	10.3	6.65	3.34
Hail	36	23	27	34	36	0.64	156.52	2.7	1.7	0.72
Drought	13	14	10	13	13	1.08	92.86	1	0.65	0.26
Extreme Heat	481	5	481	481	481	0.01	9620.00	48.1	24.05	9.62
Extreme Cold	39	5	39	39	39	0.13	780.00	3.9	1.95	0.78
Sinkhole	16	65	7	7	16	4.06	24.62	0.7	0.35	0.32
Dam Failure	0	65	0	0	0	#DIV/0!	0.00	0	0	0
Lightning	81760	10	81760	81760	81760	0.00	817600.00	8176	4088	1635.2
Public Health Em.	13	194	5	0	0	14.92	6.70	0.5	0	0

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.

Appendix E – Copies of Required Planning Documentation

I. Public notice

Calendar of Events

October 2015

Sun	Mon	Tue	Wed	Thu	Fri	Sat
27	28	29	30	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

Wed Oct. 7

Public Hearing for the
Lowndes County Multi-
Jurisdictional Hazard
Mitigation Plan Update

Mon Oct. 12

Lowndes County Board
of Commissioners Work
Session Meeting

Tue Oct. 13

Lowndes County Board
of Commissioners
Regular Session
Meeting

[VIEW ALL](#)



[Home](#) > [Calendar](#)

Calendar

View All Calendars is the default. Choose Select a Calendar to view a specific calendar. Subscribe to calendar notifications by clicking on the Notify Me button, and you will automatically be alerted about the latest events in our community.

List

Week

Month

Search calendar by:

Start date

End date

Search

Find a Facility

Notify Me

Subscribe to iCalendar

Select a Calendar

Event Details

[Return to Previous](#)

Public Hearing for the Lowndes County Multi-Jurisdictional Hazard

Mitigation Plan Update

Wednesday, October 7

Public Hearing Lowndes County Including the Cities of Dasher, Hahira, Lake Park, Remerton, Valdosta and All Unincorporated Areas Public Hearing for the Lowndes County Multi-Jurisdictional Hazard

Mitigation Plan Update The Lowndes County Emergency Management Agency, in cooperation with the Southern Georgia Regional Commission (SGRC), invites the public to attend a Public Hearing to review the update requirements and process of the Lowndes County Multi-Jurisdictional Hazard Mitigation Plan.

The plan update is being developed in accordance with the Disaster Mitigation Act of 2000, which requires local governments to have an approved Hazard Mitigation Plan addressing natural hazards as a condition of receiving future federal disaster assistance. The SGRC staff will host a Public Hearing/Open House on October 7, 2015 at 5 pm at the Southern Georgia Regional Commission, 327 W. Savannah Ave. Valdosta, GA 31601.



INSERT 2 PUBLIC NOTICES

II. Sign-in sheets

EMERGENCY MANAGEMENT PERFORMANCE GRANT (EMPG)

EVENT TITLE: Hazard Mitigation Plan Kick Off Meeting DATE: August 20, 2015 HOURS: 2

LOCATION: Lowndes County EOC EMA DIRECTOR SIGNATURE: _____

Participants Name	Check Box (See Below)	Organization	E-Mail Address
Rebekah Trapp	✓	Jacuzzi	rebekah.trapp@jacuzzi.com
Lloyd Green	✓	Lowndes County F/R	lgreen@lowndescounty.com
Shauneen Moss	✓	DFCS	shauneen.moss@dhs.ga.gov
Tad Williams	✓	SOUTH HAZARD DISTRICT	tad.williams@dph.ga.gov
Norma Jean Johnson	✓	Lowndes County Health Dept	Norma.Johnson@dph.ga.gov
John D. Lick	✓	SGRC	jdllick@sgrc.us
M. Megan Hummick	✓	SGRC	mhumnickt@sgrc.us
Michael Rivera	✓	SGRC	mriviera@sgrc.us
Pam Jones	✓	SGMC	pam.jones@sgmc.org
Petero Clayden	✓	LCFR	petero@lcfrc.com

"I authorize GEMA to use the value of this training for federal costs sharing matching purposes and do not otherwise believe that I am currently paid with federal funds or that my salary is being used to satisfy any other federal costs sharing obligation."

EMERGENCY MANAGEMENT PERFORMANCE GRANT (EMPG)

EVENT TITLE: Hazard Mitigation Plan Kick Off Meeting DATE: August 20, 2015 HOURS: 2

LOCATION: Lowndes County EOC EMA DIRECTOR SIGNATURE: _____

Participants Name	Check Box (See Below)	Organization	E-Mail Address
Stephen Spradley	✓	GA Forestry	sspradley@gfc.state.ga.us
David Evans	✓	LCBA	DAV@LCB.com
Paul Dukes	✓	LCBDC	plukes@lowndescounty.com
Ronald H Lowrey	✓	Langdale Forest Products	rlowrey@langdaleforest.com
L. Lynette Evans Baer	✓	" "	LEB@langdaleforest.com
David Frost		COV Utilities	dfrost@valdostautility.com
Richard Hardy	✓	Public Works Valdosta	Rhardy@valdostautility.com
Rick Shierling	✓	South Health District	rick.shierling@sdph.org
BERNARD ROBINSON	✓	VALDOSTA PD	brobinson@valdostautility.com
Whitney Bland	✓	SGL	wmbland@sgl.com

"I authorize GEMA to use the value of this training for federal costs sharing matching purposes and do not otherwise believe that I am currently paid with federal funds or that my salary is being used to satisfy any other federal costs sharing obligation."

EMERGENCY MANAGEMENT PERFORMANCE GRANT (EMPG)

EVENT TITLE: Hazard Mitigation Plan Kick Off Meeting DATE: August 20, 2015 HOURS: 2

LOCATION: Lowndes County EOC EMA DIRECTOR SIGNATURE: _____

Participants Name	Check Box (See Below)	Organization	E-Mail Address
Capt. R.L. Crosby	✓	LCSO	rcrosby@lowndescounty.com
Andy Frost	✓	ERCO	afrost@erco-worldwide.com
Terry Adams	✓	ERCO	tadams@erco-worldwide.com
Rob Doels	✓	ERCO	rdoels@erco-worldwide.com
Tim Register	✓	Airport	tregister@flyvaldosta.com
Jim Hightower	✓	LCSO	jhightower@lowndescounty.com
Bill Hebert	✓	23 MDG Moody AFB	william.hebert@us.af.mil
Rod Brown	✓	23 MDG ^{Bioenvironmental} Engineering	sherrad.brown@us.af.mil
Anthony Musgrove	✓	city of Valdosta	amusgrove@valdosta.ga.gov
Linda Patelski	✓	Animal Control	lpatelski@lowndescounty.com

"I authorize GEMA to use the value of this training for federal costs sharing matching purposes and do not otherwise believe that I am currently paid with federal funds or that my salary is being used to satisfy any other federal costs sharing obligation."

EMERGENCY MANAGEMENT PERFORMANCE GRANT (EMPG)

EVENT TITLE: Hazard Mitigation Plan Kick Off Meeting DATE: August 20, 2015 HOURS: 2

LOCATION: Lowndes County EOC EMA DIRECTOR SIGNATURE: _____

Participants Name	Check Box (See Below)	Organization	E-Mail Address
PAT COLLINS	✓	CITY OF VALDOSTA	PCOLLINS@VALDOSTACITY.COM
Meredith Lancaster	✓	VSU	mlancaster@valdosta.edu
Jake Price	✓	Lowndes Extension	jprice@lvgc.edu
Brian Bantwell	✓	City of Valdosta, EMS	bbantwell@valdostacity.com
Ashley Tyner	✓	Lowndes EMSA	atyner@lowndescounty.com
David Bauch	✓	SBMC/Lowndes EMS	david.bauch@sbmc.org
harry Ogden		City of Valdosta	logden@valdostacity.com

"I authorize GEMA to use the value of this training for federal costs sharing matching purposes and do not otherwise believe that I am currently paid with federal funds or that my salary is being used to satisfy any other federal costs sharing obligation."

EMERGENCY MANAGEMENT PERFORMANCE GRANT (EMPG)

EVENT TITLE: Hazard Mitigation Plan Kick Off Meeting DATE: August 20, 2015 HOURS: 2

LOCATION: Lowndes County EOC EMA DIRECTOR SIGNATURE: _____

Participants Name	Check Box (See Below)	Organization	E-Mail Address
<i>Mike Jacobs</i>		<i>SGRL</i>	<i>mvjacobs@sgrl.us</i>
<i>LINDA PATELSKI</i>		<i>ANIMAL CONTROL</i>	<i>lpatelski@lowndescounty.com</i>
<i>ROBIN STACE, MATAR</i>		<i>THE SALVATION ARMY</i>	<i>valdostaga@uss.salvationarmy.org</i>

"I authorize GEMA to use the value of this training for federal costs sharing matching purposes and do not otherwise believe that I am currently paid with federal funds or that my salary is being used to satisfy any other federal costs sharing obligation."

Lowndes County		Hazard Mitigation Meeting			Date: 9/22/2015	
Name	Organization	Position	Phone	Email		
Rick Shierling	South Health District	EPS	229-279-2737	rick.shierling@DPH.Ga.Gov		
BERNARD ROBINSON	VALDOSTA PD	Capt.	229-293-3104	brobinson@valdostacity.ga.gov		
Wendy Lancaster	VSU	Assoc. Dir. EROS	229-293-6171	wlancaste@valdostak.edu		
Shameen Moss	DFCS	Proj. Admin	229-415-8223	Shameen.Moss@dhs.ga.gov		
JASON JAVENPORT	LCRC	Partner	225-611-2430	javenport@lowndescounty.com		
NICHOLAS TOMLINSON	SGMC EMS	LT.	229-433-4170	NICK.TOMLINSON@SGMCOGA		
Bruce Cain	Hedion	Mayor	229-794-4001	acscain49@yahoo.com		
Tony Kengel	Home Depot RDC	A.P. Manager		tony-j.kengel@homedepot.com		
Michael Rivera	SGRC	GIS	229-333-5277	mriviera@sgrc.us		

Lowndes County		Hazard Mitigation Meeting			Date: 9/22/2015	
Name	Organization	Position	Phone	Email		
Tim Register	VLD Airport	OPERATIONS MANAGER	(229) 83-4877	Register@flyvaldosta.com		
Rick Crosby	LESO.	CAPTAIN	229-671-3133	rcrosby@lowndescounty.com		
Dwight Bennett	Hahira	chief	229-563-2065	dbennett@hahira.ga.gov		
Freddie D. Broome	Valdosta Fire	Chief	229-333-1835	fbroome@valdosta-city.com		
Lauren Bewley	South Health District	HCL	229-247-8130	lauren.bewley@dph.ga.gov		
Jake Price	Extension Service	CEC	229-333-5188	jprice@ysa.edu		
Terry Davis	Hahira P.D	chief	229-794-2440	kedc.hahira.ga.us		
Jonathan Sumner	City of Hahira	City Manager	229-794-2330	jsumner@hahira.ga.gov		
Karen Craft	South Health District	EP Director	229-333-5344	karen.craft@dph.ga.gov		

Lowndes County		Hazard Mitigation Meeting			Date: 9/22/2015	
Name	Organization	Position	Phone	Email		
Ashley Tye	Lowndes EMA	Director	229-671-2790	aty@lowndescounty.com		
Michael Jacobs	SGRC	Planner	772-556097	mujacob@sgrc.us		
Tim Simmans	Moody AFB	EM	325-212-0746	Timothy.Simmans@us.af.mil		
Rob Doels	ERCO Worldwide	Safety M.	229-300 7032	robdoels@erco.worldwide.com		
Pam Jones	SGMC	EM	229-588-1990	pam.jones@sgmc.org		
Misty Cardwell	Moody AFB	EM	229-507-8525	Misty.Cardwell@us.af.mil		
Billy Young	AFC	Ranger	229-333-5267	b.young@afc.state.ga.us		
JD Dillard	SGRC		229-333-5277	j.dillard@sgrc.us		
Jim Hightower	LESO	Captain	671-3115	shightower@lowndescounty.com		

Lowndes County Multi-Jurisdictional Hazard Mitigation Open House
Date: 10/07/2015

Date: 10/07/2015

[illegible]

EMERGENCY MANAGEMENT PERFORMANCE GRANT (EMPG)

EVENT TITLE: Hazard Mitigation Planning Meeting #3 DATE: December 8, 2015 HOURS: 2

LOCATION: Lowndes County EOC EMA DIRECTOR SIGNATURE: _____

Participants Name	Check Box (See Below)	Organization	E-Mail Address
Mike Tachl		SARC	mjtachl@sgcr.us
Tim Register		Valdosta Regional Airport	tregister@flda.state.fl.us
Rick Shierling		DPH South Health District	rshierling@dph.gavnet.org
Anthony Mayan		City of Valdosta	amayan@valdostacity.com
Rob Dods		ERCO Worldwide	rdods@erconetworldwide.com
JD Dillard		SGCRC	j.dillard@sgcr.us
Travis Powell		LCBOL	
Tim Simons		Moody AFB	Timothy.Simons@us.af.mil
Josh Hollingsworth		Moody AFB	
Jake Price		Lowndes Extension	jprice@uga.edu

"I authorize GEMA to use the value of this training for federal costs sharing matching purposes and do not otherwise believe that I am currently paid with federal funds or that my salary is being used to satisfy any other federal costs sharing obligation."

EMERGENCY MANAGEMENT PERFORMANCE GRANT (EMPG)

EVENT TITLE: Hazard Mitigation Planning Meeting #3 DATE: December 8, 2015 HOURS: 2

LOCATION: Lowndes County EOC EMA DIRECTOR SIGNATURE: _____

Participants Name	Check Box (See Below)	Organization	E-Mail Address
Bill Hebert		23MOG Moody AFB	william.hebert@us.af.mil
Rebecca Boyles	✓	LCFR	rebecca@lowndescounty.com
Lloyd Green	✓	LCFR	lgreen@lowndescounty.com
Ronald Lowrey	✓	Langdale Forest Products	rlowrey@langdaleforest.com
Lynette Baer	✓	" "	levans@langdaleforest.com
Stephanie Johnson	✓	BHSGA	Sjohnson@bhsga.com
Yvette Guzman	✓	23 AMOS Moody AFB	yvette.guzman@us.af.mil
Ashley Tye	✓	Lowndes County EMA	atyee@lowndescounty.com
Meredith Lancaster	✓	VSU	mlancaster@valdosta.edu
BERNARD RUBINKEV	✓	VALDOSTA PD	brobinson@VALDOSTA.PD

"I authorize GEMA to use the value of this training for federal costs sharing matching purposes and do not otherwise believe that I am currently paid with federal funds or that my salary is being used to satisfy any other federal costs sharing obligation."

EMERGENCY MANAGEMENT PERFORMANCE GRANT (EMPG)

EVENT TITLE: Hazard Mitigation Planning Meeting

DATE: February 25, 2016

HOURS: 2

LOCATION: Lowndes County EOC

EMA DIRECTOR SIGNATURE: _____

Participants Name	Check Box (See Below)	Organization	E-Mail Address
Ashley Tye	✓	Lowndes EMA	atyec@lowndescounty.com
Mike Isaacs		SGRC	misaacs@sgrc.us
D. Dillard		SGRC	jddillard@sgrc.us
Ariel Godwin		SGRC	agodwin@sgrc.us
Tim Simons		Moody	Timothy.Simons@us.af.mil
Tim Reister	✓	Airport	tregister@flyvaldosta.com
Lloyd Green	✓	CCFR	lgreen@lowndescounty.com
Lauren Bewley		SouthHealth Dist.	lauren.bewley@ph.gal.ga.gov
D. Dwyer	✓	Local	-
Rick Shivers	✓	South Health Dist	rick.shivers@ph.gal.ga.gov

"I authorize GEMA to use the value of this training for federal costs sharing matching purposes and do not otherwise believe that I am currently paid with federal funds or that my salary is being used to satisfy any other federal costs sharing obligation."

GEMAF EMPG-1, January 2009

Page _____ of _____

EMERGENCY MANAGEMENT PERFORMANCE GRANT (EMPG)

EVENT TITLE: Hazard Mitigation Planning Meeting

DATE: February 25, 2016

HOURS: 2

LOCATION: Lowndes County EOC

EMA DIRECTOR SIGNATURE: _____

Participants Name	Check Box (See Below)	Organization	E-Mail Address
Anthony McGrover		City of Valdosta	amugrover@valdostacity.com
BERNARD ROBINSON	✓	VALDOSTA PD	brobinson@valdostacity.com

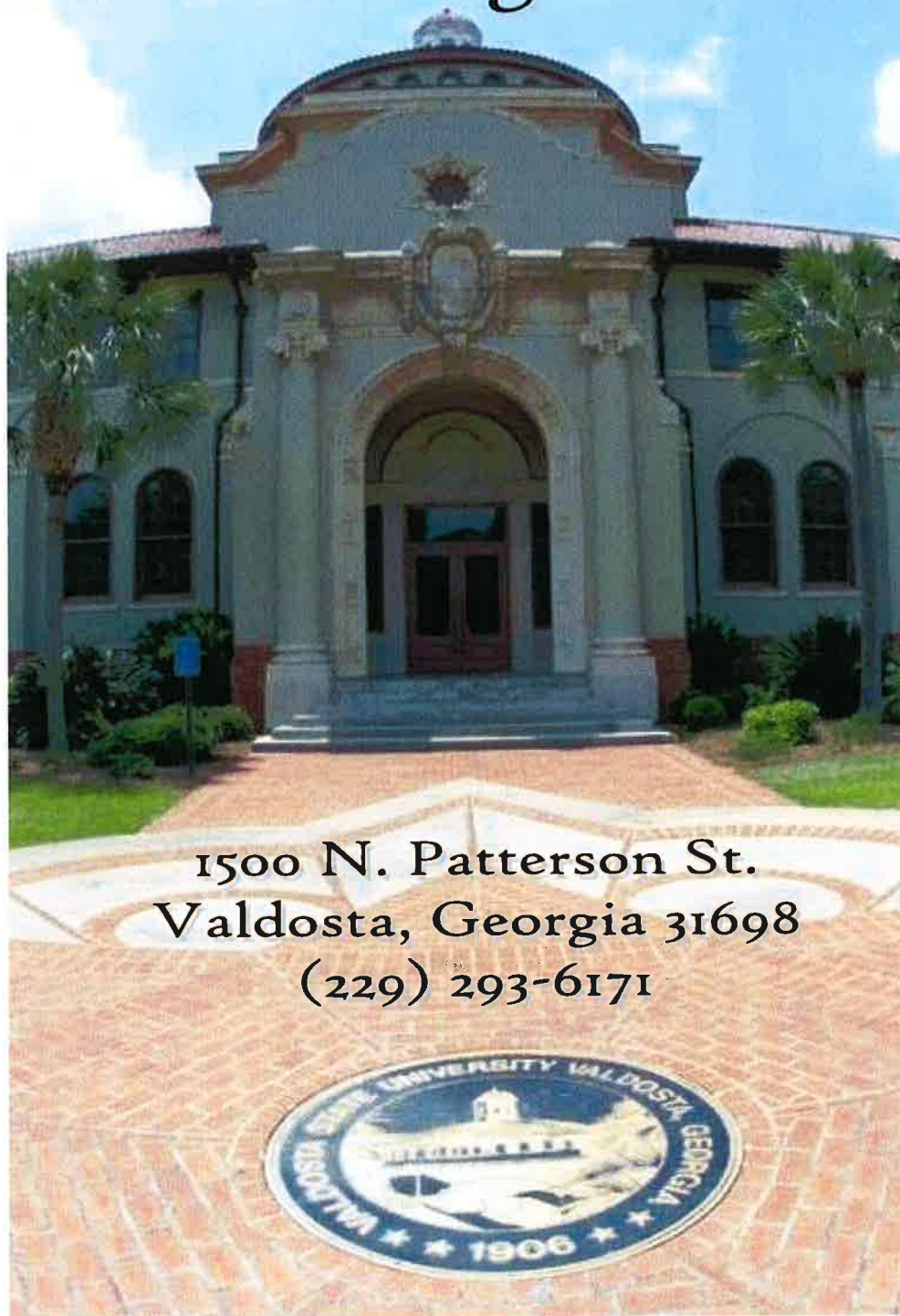
"I authorize GEMA to use the value of this training for federal costs sharing matching purposes and do not otherwise believe that I am currently paid with federal funds or that my salary is being used to satisfy any other federal costs sharing obligation."

III. Adoption resolutions

INSERT ADOPTION RESOLUTIONS

Appendix F – Valdosta State University Hazard Mitigation Plan

Valdosta State University Hazard Mitigation Plan



1500 N. Patterson St.
Valdosta, Georgia 31698
(229) 293-6171

Table of Contents

Chapter 1	Executive Summary	3-7
Chapter 2	Campus Natural Hazard, Risk & Vulnerability (HRV) Summary	8-14
Chapter 3	Campus Natural Hazard Mitigation Goals, Objectives & Action Steps, Overall Community Mitigation Goals, Policies & Values Narrative	15-19
Chapter 4	Executing the Plan	20
Chapter 5	Conclusion & References	21
	Appendix A	22-23
	Plan Committee Mission Statement	
	Appendix B	24-28
	Hazard Description Assets Exposed to & Estimated Potential Loss due to Flood Assets Exposed to & Estimated Potential Loss due to Wind	
	Appendix C	29-45
	Critical Facilities Flood Hazard Score Wind Hazard Score	
	Appendix D	46-49
	Email of Plan Availability to University Letter of Review by Lowndes County Emergency Management Agency Lowndes County Hazard Frequency Table	

Chapter I – Executive Summary

I. PURPOSE & NEED, AUTHORITY & STATEMENT OF PROBLEM AND PURPOSE PLAN

This Hazard Mitigation Plan represents Valdosta State University's commitment to reducing risks from both natural and technological hazards, and serves as a guide for decision makers as they commit resources to reducing the affects of potential hazards. This plan is intended to serve as a blueprint, coordinating and implementing hazard mitigation policies, programs and projects. In addition, this Hazard Mitigation Plan provides a list of mitigation goals, objectives and related actions that may assist in reducing risk and preventing loss from future natural hazard events.

This Hazard Mitigation Plan is the result of the Board of Regents initializing the Disaster Resistant University (DRU) planning process. With guidance from the OHS-GEMA, this Plan will identify the risks and vulnerabilities to natural hazards for our institution. The Plan will identify mitigation activities that can be taken to reduce those risks and vulnerabilities.

Valdosta State University agrees that mitigation makes sense. It has been proven repeatedly that the impact of hazards can be lessened, and sometimes avoided altogether, if appropriate action is taken before hazardous events occur. Through the identification of vulnerable areas and the implementation of measures aimed at minimizing exposure, the negative impact of natural hazards can be greatly reduced. Action starts through the preparation and implementation of a comprehensive mitigation strategy.

II. DESCRIPTION OF THE PLANNING PROCESS

Information in the Valdosta State University Hazard Mitigation Plan is based on research from a variety of sources. These sources include: FEMA Pre-Disaster Mitigation *How to Guides* #1,2,3,7 , GEMA Supplements to FEMA Pre-Disaster Mitigation *How to Guides*, Lowndes County Pre-Disaster Mitigation Plan (2005), and www.itos.uga.edu/gema/Login.do . The research methods and various contributions to the plan include the following:

- A. *Hazard Mitigation Planning Committee* - The planning committee met in order to guide development of the Hazard Mitigation Plan. The committee was directly responsible for developing the mission statement for the planning initiative (Appendix A), as well as the goals, objectives and action items identified in the plan.

1. *Responsibilities of the Hazard Mitigation Planning Committee*
 - a. Critical Facilities – responsible for the compilation of a detailed inventory including all critical facilities, and the characteristics of those facilities, located within the campus. This committee also photographed, named and labeled the photographs of the critical facilities (Appendix C).
 - b. Identifying and Profiling Hazards – responsible for identifying all of the natural hazards that might affect the campus and surrounding municipalities (Appendix B). This committee researched various historical records, reviewed existing plans and reports, gathered relevant information from a variety of Internet Websites and conducted interviews with local experts within the community.
 - c. Assessing Vulnerability/Estimating Potential Losses – responsible for performing a detailed risk assessment of the campus. Reviewed and analyzed hazard event profiles and related critical facilities to determine expected losses from specific hazard events (Appendix B). Potential losses include people, buildings, infrastructure, and other important university assets.
 - d. Mitigation Goals & Objectives – responsible for identifying and analyzing various mitigation goals, objectives and related action steps. This planning committee used the results of the countywide risk assessment to develop specific hazard mitigation goals, as well as developing a comprehensive strategy to address the mitigation priorities within the campus.
 - e. The Valdosta State University Hazard Mitigation Plan is available to the campus community for review. The Lowndes County Emergency Management Agency was given an opportunity to review, comment, and incorporate this plan into the countywide plan. The announcement of the availability through Environmental & Occupational Safety was posted in the VSU Announcements in which daily announcements are made available to all students, staff, faculty, and administrators through email and the campus wide Blazenet portal. Appendix D, Page 47-48.

III. INSTITUTION HAZARD, RISK AND VULNERABILITY SUMMARY, MITIGATION GOALS AND OBJECTIVES

A Hazard, Risk & Vulnerability (HRV) assessment was accomplished by compiling and reviewing historical data on the location of specific hazards, the value of existing property in hazard locations, and analyzing the risk to life, property and the environment that could potentially result from future hazard events. Valdosta State University's Hazard Mitigation Planning Committee accomplished the HRV by conducting the following steps:

- A. *Inventorying Critical Facilities:* Critical facilities are important in that these entities provide essential products and services to the public that are necessary to preserve the welfare and quality of life in the surrounding area. The facilities for Valdosta State University have been identified in Appendix C on the Critical Facilities Map.
- B. *Hazard Identification:* Maps and historical data sources were studied and reviewed to identify the geographic extent, intensity, and probability of occurrence for various hazard events in Valdosta. The Planning Committee identified four major hazards ~ flooding, damaging winds (includes hurricanes, tornadoes, and severe thunderstorms), and lightning ~ that affect Lowndes County. These four hazards are what this plan will address. A comprehensive hazard description and history for Lowndes County is provided in Appendix B. One minor hazard identified was extreme heat, Environmental & Occupational Safety advises all personnel working outside in 99degree heat or higher to take safety precautions.
- C. *Profiling Hazard Events:* The causes and characteristics of each hazard, how it has affected Lowndes County in the past, and what part of Lowndes County's population and infrastructure has historically been vulnerable to each specific hazard has been analyzed. A profile for each hazard discussed in this plan is provided in Chapter 2.
- D. *Vulnerability Assessment:* This step was accomplished by comparing each previously identified hazard with the inventory of affected critical facilities and population exposed to each hazard.
- E. *Estimating losses:* Using the best available data, this step involved estimating damage and financial losses likely to be sustained in a geographic area by the use of mathematical models. Describing vulnerability in terms of dollar losses provides the university with a common framework in which to measure the effects of hazards on critical facilities (Appendix B).

Valdosta State University's Hazard Mitigation Planning Committee used the results of the Hazard, Risk, and Vulnerability assessment to identify and prioritize goals, objectives and related actions. Mitigation Goals and Objectives were identified by

the Planning Committee and then prioritized based on the number of students they would affect and the cost to perform each project. Each mitigation goal includes required actions for implementation, as well as potential resources, which may include grant programs or human resources.

IV. MULTI-JURISDICTIONAL SPECIAL CONSIDERATIONS

This Hazard Mitigation Plan has been developed for Valdosta State University. In general, Valdosta State University is vulnerable to all natural hazards addressed in the Lowndes County Pre-Disaster Mitigation Plan, which include Hurricane/Tropical Storms, Tornadoes, Flood, Lightning, Wildfire, Extreme Heat, Drought, Sinkholes, and Dam Failure. However, according to the GMIS Critical Facilities website, the university is not immediately susceptible to sinkholes or dam failure; therefore, those natural hazards were not included in the Valdosta State University Hazard Mitigation Plan. Wildfire, extreme heat, and drought were natural hazards also excluded from the plan.

V. ADOPTION, IMPLEMENTATION AND INCORPORATION INTO THE COUNTY HAZARD MITIGATION PLAN

As determined during the planning process, the committee shall assume the responsibility for the upkeep and maintenance of the plan. It shall be the responsibility of the committee to ensure that this plan is utilized as a guide for initiating the identified mitigation measures. The Director of Environmental & Occupational Safety, or his designee, will be authorized to convene a committee to review and update this plan periodically (at least annually) throughout the useful life of the plan, not to exceed five years.

Through this plan update process, the committee shall identify projects that have been successfully undertaken in initiating mitigation measures throughout the campus. These projects shall be noted within the planning document to indicate their completion. Additionally, the committee shall brainstorm and identify any new or additional mitigation projects that may arise. The Valdosta State Hazard Mitigation Plan will be made available to Lowndes County for incorporation into their Pre-Disaster Mitigation Plan as needed. The timeline for the Valdosta State University Hazard Mitigation to be incorporated into the Lowndes County Pre-Disaster Mitigation Plan is within the year 2007.

VI. PLAN ADOPTION

The Valdosta State University Hazard Planning Committee, working with appropriate local officials, will be responsible for initiating implementation of plan action items and undertaking a formal review process.

The Plan Maintenance Section of this document details the formal process that will ensure that the Valdosta State University Hazard Mitigation Plan remains an active and relevant document. The plan maintenance process includes monitoring and evaluating the plan annually, and producing a plan revision every five years. Additionally, Valdosta State will develop steps to ensure public participation throughout the plan maintenance process.

Resolution and Proclamation

Whereas new regulations require that Valdosta State University have an approved hazard mitigation plan in place before they can be considered for future disaster assistance, including hazard mitigation funding.

Whereas Valdosta State University approved a planning committee to meet guidelines set forth by the Georgia Emergency Management Agency (GEMA)

Whereas the Valdosta State University Hazard Mitigation Plan has been approved by the Georgia Emergency Management Agency (GEMA)

Whereas the Valdosta State Hazard Mitigation Plan has been approved by Valdosta State University. It is effective for planning purposes for Valdosta State University.


Ronald M. Zaccari, President
Valdosta State University


Date

VIII. INSTITUTION COMMUNITY DATA

Valdosta State University currently has a total of 10,888 students. Professors and staff number 1,338. The majority of student residents, approximately 2,300 students, are present 24 hours a day. A small number of staff is present on campus at all times, i.e. weekends, holidays.

Chapter 2 – Campus Natural Hazard, Risk & Vulnerability (HRV) Summary

The Valdosta State University Hazard Planning Committee initially identified natural hazards that could potentially affect Lowndes County. The Planning Committee determined that four natural hazards pose a direct, measurable threat to Valdosta State University. Tornadoes, hurricanes, severe thunderstorms, and lightning are all potential threats to the campus. Flooding on the other hand, is isolated to select areas of the county. Each of these potential hazards is addressed individually with relevant supporting data. Reference Lowndes County Hazard Mitigation Plan Chapter 2.

I. FLOODING –

A. FLOOD IDENTIFY

Uncontrolled water (flooding) has been the costliest, repetitive natural hazard to Lowndes County and its municipalities. Localized flooding, which includes the overflow of streams and creeks designated as floodplains on the local FIRM maps due to heavy rain, have caused the most damage to government infrastructure and to individual property. Considerable damage to roads with inadequate drainage is regularly experienced during period of exceedingly heavy rain.

In recent memory, river flooding created very little property damage because of the governments' restrictions to building in flood prone areas. However, the historical high of the Withlacoochee River could prove to be quite damaging under current conditions. The Little River (its name is an oxymoron during flooding events) and the Alapaha River, both of which can threaten homes, require development of better databases for flood levels. The watershed for all three rivers that run through Lowndes County is in the counties to the north of Lowndes County.

Both localized flooding and river flooding can be created by extended rainfall over a period of several days.

- B. The Rain Intensity Curve (parameters used for engineering planning) call for 9.0 inches/24-hour period. Historically, Lowndes County experienced 9.51 inches on June 12, 2001 from thunderstorms and 9.33 inches on September 16, 1924 during a hurricane.

During Hurricane Frances and Hurricane Jeanne in 2004, about two-thirds of the storm recovery costs were related to government infrastructure damage due to localized flooding. About \$500,000 in damages from localized flooding was caused by Hurricane Frances and about \$800,000 in damages from localized flooding was caused by Hurricane Jeanne in Lowndes County

River flooding occurs yearly; that is, the Withlacoochee River annually exceeds the flood stage of 13 feet at the river gauge. This is supported statistically, with the historical recurrence interval equal to 1.00. However, levels do not become threatening to property until the river level reaches about 19 feet.

The fourth highest river level (22.5 feet) for the Withlacoochee River was measured on March 26, 1998. Though the level was threatening to many homes, very little dislocation was experienced. However, the historical high of the Withlacoochee River is 33.0 feet. The Withlacoochee river gauge is about 8 miles northeast of the City of Valdosta. According to the Lowndes County Pre-Disaster Mitigation Plan, Lowndes County has a 100 % chance of one river flooding event each year, and a 100 % chance of four localized flooding events each year.

The One Mile Branch is a creek that runs through a section of the Valdosta State University main campus. Although Lowndes County is subject to localized flooding, Valdosta State has no experience of significant flooding. The Two Mile Branch, located at North Campus has also not experienced any flooding within the history of the University. Valdosta State has no buildings located within the Two Mile Branch flood plain; there is no concern for future flood damage to University Property. The flood hazard maps for Valdosta State University are located in Appendix C on pages 33 and 34.

C. INVENTORY OF ASSETS EXPOSED TO FLOODING:

Buildings, campus road systems, and parking lots are the major assets exposed to localized flooding. Buildings that fall within the 100-year flood plan are as follows: Fine Arts Building, Education Center, Pine Hall, the Boiler House, and Lowndes Residence Hall. These buildings have not flooded in the past 10 years. All five buildings are in the One Mile Branch floodplain.

D. ESTIMATE OF POTENTIAL LOSSES:

Although the total cost of University properties, according to the GMIS Critical Facility report, is \$396 million. Flooding would only cause roughly \$23.9 million in water damages to buildings located within the 100 year flood plain and that score higher than zero on the flood hazard score. Flood hazard scores are located in Appendix C page 34-39. However, the campus has no past experience with flooding.

E. INSTITUTION DEVELOPMENT PATTERNS.

Buildings that fall within the 100 year flood plain are as follows: Fine Arts Building, Education Center, Pine Hall, the Boiler House, and Lowndes Residence Hall. All five buildings are in the One Mile Branch floodplain. The Fine Arts Building is an auditorium and classroom facility. The Education Center houses offices and classrooms. Pine Hall contains classrooms, offices, and the University Police department. The Boiler House, contains the four boilers that provide steam for cooking, hot water for bathing, and heat to the residence halls and academic and administrative buildings.

F. MULTI-JURISDICTIONAL FLOODING DIFFERENCES

According to the Lowndes County Pre-Disaster Mitigation Plan all of Lowndes County is subject to localized flooding. However, Valdosta State University does not have a significant history of flooding. The Lowndes County Pre-Disaster Mitigation

Plan, in conjunction with the GMIS website, was used in identifying flood hazards for Valdosta State. The flood hazard scores for Valdosta State University are located in Appendix C on pages 33-39.

G. GENERAL OVERALL HRV SUMMARY OF FLOODING.

Valdosta State is not in the floodplain of the rivers that experience flooding in Lowndes County. The main flooding hazard to the University is localized flooding caused by storm water runoff. Localized flooding, which includes the overflow of streams and creeks in designated floodplains, occurs during and after heavy thunderstorms, hurricanes, tropical storms and extended periods of rainfall.

II. HURRICANE/TROPICAL STORM-

A. HURRICANE/TROPICAL STORM IDENTIFY

A tropical cyclone above 74 miles per hour is considered a hurricane and poses threats such as storm surge, high winds, and rainfall. Hurricanes are dangerous and damaging to south-central Georgia and the panhandle of Florida. Lowndes County, at its nearest point, is approximately 50 miles from the Gulf of Mexico coast, with its farthest border about 80 miles from the gulf coast. Lowndes County is about 95 miles from the Atlantic Coast. Generally, hurricanes in the Gulf present more of a threat to Lowndes County than Atlantic hurricanes.

Since 1851, the National Weather Service has recorded the following number of hurricanes and tropical storms, the center of which passed within 65 miles of Lowndes County:

- 2 Category 3 Hurricanes (111 – 130 mph)
- 9 Category 2 Hurricanes (96 – 110 mph)
- 22 Category 1 Hurricanes (74 – 95 mph)
- 149 Tropical Storms (39 – 73 mph)

A hurricane or tropical storm threatens Lowndes County in its entirety during the hurricane season from June through November. Peak activity is usually August, September and October.

Hurricanes threatening Florida and/or Coastal Georgia can disrupt normal day-to-day activities in Lowndes County. Major movements of evacuees from Florida along I-75 regularly seek shelter in Lowndes County. Coastal Georgia evacuees are normally directed to mid/northern Georgia cities. However, significant number of Georgia coastal evacuees comes to Lowndes County. The task of providing shelter and feeding of these evacuee can be a major challenge for Lowndes County.

- B. Hurricanes or tropical storms can threaten all of Lowndes County and its municipalities. Those storms that move across Lowndes County from the Gulf of Mexico are the more threatening. In the recent past, hurricanes and tropical storms

have caused considerable damage to government infrastructure, mainly roads, and created considerable debris.

Of the four hurricanes and one tropical storm that affected Lowndes County in 2004, Hurricane Frances caused \$.8 million in damages and Hurricane Jeanne caused \$1.3 million. A major hurricane in Lowndes County with sustained winds exceeding 96 mph will cause substantial damage. In the past 104 years, Lowndes County experienced 11 hurricanes of this caliber.

Tropical Storms (including Tropical Depressions) with less threatening winds create considerable damage from water runoff. During recent years, repetitive damage in Lowndes County has been caused by water runoff. Statistically, Lowndes County should expect to experience a damaging rain event annually. In the past, Valdosta State has seen minimal damage from these damaging rain, however the university is as susceptible to those rains as is the rest of Lowndes County. There is a 21.43% chance in 2008 that Valdosta State will be affected by a hurricane and/or tropical storm.

C. INVENTORY OF ASSETS EXPOSED TO HURRICANE/TROPICAL STORMS:

All of Valdosta State is exposed to tornadoes, hurricanes and tropical storms. Current building codes require all buildings to be built to withstand 80 mph sustained winds with 100 mph 3 second gust. Lowndes County is covered with dense tree vegetation. This plant cover creates considerable debris in windstorms. Falling trees and broken limbs disrupt electrical power and communication transmissions.

D. ESTIMATE OF POTENTIAL LOSSES:

Depending on the route of a strong tornado, the potential loss could be significant in property damage and loss of life. The strength of the storm and/or the amount of rainfall will determine the loss from storms. Stronger storms, as indicated by the County's historical experience, will cause considerable more damage. The total value of all buildings on campus is \$183,967,759 as seen on the GMIS Critical Facility report in Appendix C, page 41-46.

E. INSTITUTION DEVELOPMENT PATTERNS:

All of Valdosta State University is exposed to hurricanes and tropical storms. Main campus, north campus and surrounding university properties score a 2 on the GMIS Wind Hazard Map located in Appendix C, page 39 and 40.

F. MULTI-JURISDICTIONAL HURRICANE/TROPICAL STORM DIFFERENCES

Valdosta State University, along with all of Lowndes County is equally exposed to Hurricanes and Tropical Storms. However, our total vulnerability in critical facilities is \$386 million, while that of Lowndes County is \$3,432,213,308.

G. GENERAL OVERALL HRV SUMMARY OF HURRICANE/TROPICAL STORMS.

Hurricanes and Tropical Storms affect Valdosta State University almost annually. Statistically, hurricanes will occur once every five years and tropical storms each

year. During the event, both cause considerable disruption to normal activities at Valdosta State. Damages due to Hurricanes and Tropical Storms include but are not limited to: flash flooding, tornados, lightning, and flying debris.

During a hurricane, Lowndes County may see an influx of evacuees seeking shelter and significant increase in vehicle traffic. This would place considerable pressure on emergency response services from the county. This is a consideration to keep in mind since Valdosta State University does not have an emergency response service strictly meeting the needs of the campus.

III. TORNADOES -

A. TORNADO IDENTIFY

A tornado is a large, high-speed rotating column of air in contact with the ground. In Lowndes County, tornadoes are usually associated with thunderstorms in fast-moving cold fronts and with thunderstorms in hurricanes. The cyclonic movement of air in thunderstorms over Lowndes County normally can be detected by the National Weather Service Doppler radar.

- B. Since 1956 National Weather Service records show that Lowndes County experienced 14 reported and recorded tornadoes. Most of the tornadoes are associated with fast-moving cold fronts. In recent years with the development of Doppler radar, Lowndes County has been placed under numerous tornado warnings by the National Weather Service due to cyclonic activities detected by the radar in thunderstorms passing over Lowndes County.

The break-out of reported and recorded tornadoes in Lowndes County since 1956 is:

- 4 F2 (113 – 157 mph)
- 8 F1 (73 – 112 mph)
- 2 F0 (40 – 72 mph)

Three of the four F2 tornadoes occurred in the 1960s. In 1998, an F0 tornado hit the western part of Valdosta and moved east, skipping across town. During the 2004 hurricanes, two tornadoes resulting from Hurricane Frances and Hurricane Jeanne were reported.

Generally, the tornadoes associated with cold fronts passing through Lowndes County are about $\frac{1}{4}$ to $\frac{1}{2}$ mile wide and tend to travel about 10 miles on the ground. About 1% of the land area (5 square miles) of Lowndes County (512 square miles) is impacted by any one tornado. According to the Hazard Frequency Table, Appendix F, Lowndes County can expect a 28.57 % chance of a tornado event each year. In the past 50 years, Valdosta State has not felt any damage from a tornado. The Frequency Chance for a tornado striking the campus is 0% according to the Hazard Frequency Table in Appendix D.

C. INVENTORY OF ASSETS EXPOSED TO TORNADOS:

All of Valdosta is exposed to tornadoes. Current building codes require all buildings to be built to withstand 80 mph sustained winds with 100 mph 3 second gust.

Lowndes County is covered with dense tree vegetation. This plant cover creates considerable debris in windstorms. Falling trees and broken limbs disrupt electrical power and communication transmissions.

D. ESTIMATE OF POTENTIAL LOSSES:

Depending on the route of a strong tornado, the potential loss could be significant in property damage and loss of life. The strength of the storm and/or the amount of rainfall will determine the loss from storms. Stronger storms, as indicated by the County's historical experience, will cause considerably more damage. The total value of all buildings on campus is \$183,967,759 as seen on the GMIS Critical Facility report in Appendix C, page 41-46.

E. INSTITUTION DEVELOPMENT PATTERNS.

All of Valdosta State University is exposed to tornados. Main campus, north campus and surrounding university properties score a 2 on the GMIS Wind Hazard Map. The GMIS Wind Hazard Map can be found in Appendix C pages 39 and 40.

F. MULTI-JURISDICTIONAL TORNADO DIFFERENCES

All of Valdosta State University, like most of Lowndes County has a Wind Hazard Score of 2. The lower region of Lowndes County has a Wind Hazard score of 3, however, the university has no property in that region. The Wind Hazard score for Valdosta State is located in Appendix C, pages 40-46. Valdosta State University's total vulnerability in critical facilities is \$386 million, while that of Lowndes County is \$3,432,213,308.

G. GENERAL OVERALL HRV SUMMARY OF TORNADOES.

Tornadoes pose a real threat to Valdosta State University. The vulnerability grows as Lowndes County becomes more urbanized. An F1 or F2 tornado could cause significant damage and loss of life. The Historic Recurrence Interval of tornadoes is greater than the Historic Recurrence Interval of hurricanes.

IV. LIGHTNING –

- A. Lightning is the discharge of electricity from cloud to ground and is associated with thunderstorms. The discharge is usually vertical from the cloud to ground, but can occur at angles from the storm, extending a good distance from the storm.
- B. Lightning Profile. Lowndes County averages 70 thunderstorm days each year, but thunderstorms can occur year round. Lowndes County averages between 6,800 and 9,520 lightning strikes from cloud to ground per year (Texas A&M University study, 1991), averaging about 15 lightning strikes per square mile per year. The frequency of occurrence of lightning in Lowndes County makes the risk to individuals and to property high.

Generally, one to two individuals in the area each year are struck by lightning. The climate in Lowndes County supports year-round outdoor activities, exposing many

individuals, sometimes in large numbers, to the threat of lightning. Though not reported, lightning frequently damages electronic equipment and electrical power transmissions.

Lightning is a killer in Lowndes County and is very dangerous to those individuals outdoors near thunderstorms. The high frequency of thunderstorms in Lowndes County increases the risk of individuals being struck and of property being damaged.

While lightning can cause significant property damage, the potential for personal injury is also high for an unprepared public. Ensuring that the Valdosta State community is aware of these dangers and that Valdosta State is able to quickly issue warnings of possible severe lightning events is a very important goal of the community's emergency preparedness. There have been a total 3500 lightning strikes on campus within the past 50 years, 700 of those strikes in the past 10 years. Valdosta State has a 7,000% chance of lightning striking the campus in 2008. These statistics can be found in our Hazard Frequency Table found under Appendix D. None the of these strikes have cause damage to the any university property.

C. INVENTORY OF ASSETS EXPOSED TO LIGHTNING:

All critical facilities and electrical equipment at Valdosta State University are exposed to lightning, as well as individuals outside. The total potential impact of lightning on the built community is \$282,006,051 (see page 29 in Appendix B). The estimated Valdosta State University population exposed to lightning is 14,000.

D. ESTIMATE OF POTENTIAL LOSSES:

The entire university is exposed to potential lightning hazards. The risk of loss-of-life and the potential for a large number of individuals in outdoor gatherings to be injured are relatively high. As noted, the total replacement value of critical facilities at Valdosta State is \$282,006,051 (Appendix B).

E. INSTITUTION DEVELOPMENT PATTERNS.

All buildings, properties, and population are vulnerable to lightning. The Bailey Science Center is the only building that has a lightning protection system in place.

F. MULTI-JURISDICTIONAL LIGHTNING DIFFERENCES

Lightning impacts all jurisdictions equally in Lowndes County, this includes the entire campus of Valdosta State University. As found in the Critical Facilities Maps in Appendix C, pages 30-31.

G. GENERAL OVERALL HRV SUMMARY OF LIGHTNING.

Lightning is a killer in Lowndes County and is very dangerous to those individuals outdoors near thunderstorms. The high frequency of thunderstorms in Lowndes County increases the risk of individuals being struck and of property being damaged.

Chapter 3 – Campus Natural Hazard Mitigation Goals, Objectives & Action Steps Overall Community Mitigation Goals, Policies & Values Narrative

The Valdosta State Hazard Mitigation Planning Committee felt it critical to consider the concept of multi-hazard planning that is applicable to a wide range of hazards, as opposed to looking at only hazard-specific mitigation measures. The focus, or goal, of the Planning Committee was to develop a list of suggested mitigation measures that potentially offer the greatest benefit to Valdosta State.

The Valdosta State Hazard Mitigation Planning Committee considered both structural and non-structural mitigation measures when developing adequate and appropriate mitigation measures. Several of these measures may require alterations to current policies as well as the implementation of local ordinances to ensure the mitigation measures are undertaken. Mitigation goals, objectives and action items are as follows.

1. Maintain zero loss of life and minimize property loss due to flooding at Valdosta State University.
2. Develop & implement education and awareness programs aimed at mitigating the effects of natural hazards and reducing the risks to students, staff, faculty, and critical facilities.
3. Protect the Valdosta State University Community from the threat of lightning strikes.

The following objectives & action steps are listed in order of priority.

I. FLOODING – Mitigation Strategy and Recommendations –

A. Maintain zero loss of life and minimize property loss due to flooding at Valdosta State University.

B. Identification and Analysis of Mitigation Options for Existing and New Buildings and Infrastructure

1. Structural: Buildings already within the flood plain have not flooded in the past 10 years. All future infrastructures will be built according the state of Georgia and the Board of Regents guidelines to insure safety against flooding.
2. Non Structural: Currently Valdosta State follows all guidelines and safety requirements set forth by the Board of Regents, and the Lowndes County Building Codes. According the Board of Regents Policy & Procedures and the Lowndes County Building Codes it is prohibited that any future structure be built within a flood plain.
3. Valdosta State community values the natural beauty and peacefulness of its campus. Historically, Valdosta State has environmentally protected the campus while continuing its developmental expansion.

C. Mitigation Strategy and Recommendations

1. Mitigation Goal #1:
Maintain zero loss of life and minimize property loss due to flooding at Valdosta State University

Objective #1:
Protect facilities from the effects of flooding

ACTION STEPS:

- a. *Maintain drainage by the use of natural topography and existing drain systems.*

Responsible Department:	Environmental & Occupational Safety
Timeline:	Ongoing
Cost:	Staff Time
Potential Funding Source:	Funding will have to go through a budget process.
Benefit:	Protect facilities from the effects of flooding.

Valdosta State will work in full cooperation with the City of Valdosta to maintain proper drainage of floodwaters and will follow all State of Georgia and Board of Regents Safety Guidelines.

II. DAMAGING WINDS – Mitigation Strategy and Recommendations –

- A. Develop and implement education and awareness programs aimed at mitigating the effects of natural hazards and reducing the risks to students, staff, faculty and critical facilities.
- B. Identification and Analysis of Mitigation Options for Existing and New Buildings and Infrastructure
 - 1. Non Structural: Valdosta State University has an Emergency Contingency Plan in place, and will continue to incorporate current policies with regard to land use in order to keep the landscape in its natural state. This includes but is not inclusive to minimizing susceptibility to natural hazards and tree removal.
 - 2. Non Structural: Work closely with Employee & Organizational Development to produce and implement education and awareness programs.
 - 3. Valdosta State community values the natural beauty and peacefulness of its campus. Historically, Valdosta State has environmentally protected the campus while continuing its developmental expansion.

C. Mitigation Strategy and Recommendations

1. Mitigation Goal #1:

Develop and implement education and awareness programs aimed at mitigating the effects of natural hazards and reducing the risks to students, staff, faculty and critical facilities.

Objective #1:

Develop a natural hazard mitigation awareness programs

ACTION STEPS:

- a. Valdosta State currently has an education program in place through Employee and Organizational Development. Environmental & Occupational Safety works closely with the Employee & Organizational Development department in preparing, presenting, evaluating material, and record keeping for personnel records regarding all safety trainings and demonstrations.

Responsible Department:	Environmental & Occupational Safety
Timeline:	Ongoing
Cost:	Staff Time
Potential Funding Source:	Funding must go through a budget process, if funding is needed.
Benefit:	Develop a hazard mitigation awareness programs.

2. Mitigation Goal # 2:

Keep a hazard mitigation mindset active and alive at Valdosta State University.

Objective #2:

Establish an on-going role for the Valdosta State Disaster Mitigation Planning Committee.

ACTION STEPS:

- a. *The Disaster Mitigation Planning Committee is also known as the Campus Safety Committee. The Campus Safety Committee will conduct meetings regularly in order to pursue and evaluate implementation of mitigation measures.*

Responsible Department:	Environmental & Occupational Safety
Timeline:	Evaluated Annually
Cost:	Staff Time
Potential Funding Source:	Funding must go through a budget process, if funding is needed.
Benefit:	Ensure an up to date and efficient Mitigation Plan for the University.

3. Mitigation Goal #3:

Acquire early warning weather alert aimed at mitigating the effects of natural hazards and reducing the risk to students and staff.

Objective #3:

Advance alert of approaching severe weather in order reduce risk of injury to student and staff by aiding timely evacuation to protected areas.

ACTIONS STEPS:

- a. Construction of automatic alerting severe weather warning devices placed strategically throughout the campus.

Responsible Department:	Environmental & Occupational Safety
Timeline:	In place by Summer of 2008. Evaluated Annually
Cost:	\$30,000 annual cost.
Potential Funding Source:	Funding must go through a budget process, submitted within the year.
Benefit:	Advance alert of approaching severe weather in order reduce risk of injury to student and staff by aiding timely evacuation to protected areas.

III. LIGHTNING – Mitigation Strategy and Recommendations

- A. Protect citizens of Lowndes County from the threat of lightning strikes.
- B. Identification and Analysis of Mitigation Options for Existing and New Buildings and Infrastructure
 - 1. Structural: All properties of Valdosta State University have either a lightning rod or lightning resister in place.
 - 2. Structural: All future infrastructures will have the same lightning protection and will follow State of Georgia and Board of Regents Safety guidelines. Valdosta State follows the Board of Regents Facilities Policies in building, securing, and evaluating all buildings on campus.
 - 3. Valdosta State community values the natural beauty and peacefulness of its campus. Historically, Valdosta State has environmentally protected the campus while continuing its developmental expansion.

C. Mitigation Strategy and Recommendations

- 1. Mitigation Goal #1:
Protect citizens of Valdosta State University from the threat of lightning strikes.

Objective #1:

Provide tools necessary for warning of lightning strikes.

ACTION STEPS:

- a. Continue severe weather education through trainings, tabletop drills, and demonstrations. These trainings, drills, and demonstrations will be conducted through Employee & Organizational Development and Environmental & Occupational Safety

Responsible Department:	Environmental & Occupational Safety
Timeline:	Ongoing development and evaluation.
Cost:	Staff Time
Potential Funding Source:	Funding must go through a budget process, if funding is needed.
Benefit:	Provide tools necessary for warning of lightning strikes.

Chapter 4 – Executing the Plan

I. Campus Implementation Action Plan –

- A. Environmental & Occupational Safety oversaw the Hazard mitigation planning process. This plan was submitted to GEMA for approval.
- B. The University President is responsible for adoption of the plan. The Valdosta State Hazard Mitigation Committee members are responsible for implementing the plan.
- C. The Valdosta State University Pre-Disaster Mitigation Plan will be provided to the Lowndes County Emergency Management Agency to be incorporate into the county Hazard Mitigation Plan at the next county plan revision/update meeting.

II. Monitoring and Updates –

- A. The Valdosta State Environmental & Occupational Safety Director, or his designee, will be charged with ensuring that this plan is monitored and updated annually, or more often as deemed necessary. The method of evaluation will consist of utilizing a checklist to determine what mitigation actions were undertaken, the completion date of these actions, the cost associated with each completed action, and whether actions were deemed to be successful.
- B. The Valdosta State University Hazard Mitigation Planning Committee will be responsible for monitoring any hazardous event or changes to the plan.
- C. Assessment will be performed after any hazardous event and/or every year. The plan will be updated every five years to ensure maximum efficiency of the plan.
- D. Internal Assessments will be performed by the Directors of Environmental & Occupational Safety, University Police, and Facilities Planning. The directors of these three departments will evaluate the campus after every hazardous event, and provide a comprehensive report of their observations, concerns, and advisements to Dr. Ronald Zaccari, President of Valdosta State University and to Sandra Neuse at the Board or Regents. If there is a claim involved a report will also be submitted to FEMA & GEMA.

III. Multi-Jurisdictional Strategy and Considerations –

- A. The difference with respect to the Valdosta State plan and the Lowndes County plan is that each entity will be responsible to carry out their own individual plan within their respective jurisdictions.

IV. Plan Update and Maintenance –

- A. Administration, faculty, staff and students were involved in the planning process of the Valdosta State Plan through numerous committee meetings and brainstorming sessions.
- B. The Planning Committee will convene in order to accomplish the annual plan evaluation. Additionally, the Director, or his designee, will maintain a schedule of regular meetings, either quarterly or semi-annually to preserve a continuity and consistency throughout the process. These meetings will provide an opportunity to discuss the progress of the action items and maintain the partnerships that are essential for the sustainability of the mitigation plan.

Chapter 5 – Conclusion

I. Conclusion Summary –

- A. As previously stated, the Valdosta State Environmental & Occupational Safety Director, or his designee, will be charged with ensuring that this plan is monitored and updated annually, or more often as deemed necessary. The method of evaluation will consist of utilizing a checklist to determine what mitigation actions were undertaken, the completion date of these actions, the cost associated with each completed action, and whether actions were deemed to be successful.
- B. The cost benefit of a project was based upon the anticipated cost in relation to the perceived benefit of the action taken. All proposed mitigation actions were evaluated to determine the favorability of the benefit in relations to the cost associated with completing the project. Determining the feasibility of mitigating hazards can provide decision makers with an understanding of the potential benefits and costs of an activity, as well as a basis upon which to compare alternative projects.

II. References –

Numerous sources were used to ensure the most complete planning document could be assembled. In an effort to ensure that all data sources consulted were cited, references are listed in the following format: A) Publications, B) Websites, C) Other Sources.

A. Publications

FEMA Pre-Disaster Mitigation *How to Guides* #1,2,3,7

GEMA Supplements to FEMA Pre-Disaster Mitigation How to Guides

Lowndes County Pre-Disaster Mitigation Plan (2005)

B. Websites

<https://www.itos.uga.edu/gema/Login.do>

Appendix A

- Plan Committee
- Mission Statement
- University Announcement of Availability

Valdosta State University Hazard Mitigation Committee

Chief Information Security Officer
Director of Environmental & Occupational Safety
Director of Physical Plant & Facilities
University Police Chief
Vice President for Finance & Administration

Mission Statement for the Valdosta State Hazard Mitigation Plan

Through effective planning, develop a campus-wide mitigation mindset using staff, faculty, and student leadership and community-based partnerships, leading the way to a safe and secure environment for all.

Appendix B

- Hazard Descriptions
- Inventory of Assets: Flood
- Assets Exposed to & Estimated Potential Loss due to Flood
- Inventory of Assets: Wind
- Assets Exposed to & Estimated Potential Loss due to Wind
- Assets Exposed to & Estimated Potential Loss due to Lightning

Hazard Descriptions

Description of Flood Hazard - Within any given geography, there are different variables to consider when determining if an area is susceptible to flooding. Topography, ground saturations, soil permeability, rainfall intensity and duration, drainage, and vegetative cover, to name a few, contribute to the determination of whether or not an area will flood. Large amounts of rainfall over a short amount of time can result in flash floods, which routinely do minimal damage. Should the soil be saturated or super-saturated, even a small amount of rainfall can cause flooding issues. As more and more land is developed, the presence of impermeable surfaces, roads, driveways, and parking lots causes an increase in the likelihood of flooding in an area.

According to *FEMA How-to Guide #2: Understanding Your Risks*, a flood is a natural event for rivers and streams. Excess water from snowmelt, rainfall, or storm surge accumulates and overflows onto the banks and adjacent floodplains. Floodplains are lowlands adjacent to rivers, lakes, and oceans that are subject to recurring floods. Hundreds of floods occur each year within the United States, making it one of the most common hazards in all 50 states. When flood currents sweep people away most injuries and deaths occur, most property damage results from inundation by sediment-filled water (Understanding Your Risks, 2-12).

Description of Damaging Winds - A tornado is a violently rotating column of air extending from a thunderstorm cloud to the ground. The most violent tornados are capable of tremendous destruction, in some cases extreme devastation, with wind speeds that can exceed 250 miles per hour. Damage paths can be of varying widths up to and exceeding one mile, with the length of the path up to fifty miles long. Tornado season in Georgia typically runs from March through August; however, tornados can strike at any time of year if the deadly atmospheric conditions are present. Thunderstorms and hurricanes spawn tornadoes when cold air overrides a layer of warm air, causing the warm air to rise rapidly. The winds produced from hurricanes, earthquake-induced fires, and wildfires have been known to produce tornadoes (Understanding Your Risks, 2-20).

Damaging winds, including tornados, hurricanes, and thunderstorms, can topple buildings, roll mobile homes, uproot trees, hurl people and animals through the air for hundreds of yards, and fill the air with lethal wind-borne debris.

Tornadoes are rated and categorized by damage pattern:

- ✓ Category F0 – Gale Tornado (40-72 mph) – Light Damage
- ✓ Category F1 – Moderate Tornado (73-112 mph) – Moderate Damage
- ✓ Category F2 – Significant Tornado (113-157 mph) – Considerable Damage
- ✓ Category F3 – Severe Tornado (158-206 mph) – Severe Damage
- ✓ Category F4 – Devastating Tornado (207-260 mph) – Devastating Damage
- ✓ Category F5 – Incredible Tornado (261- 318 mph) - Incredible Damage

Description of Lightning - Severe thunderstorms, which occur mostly in the summer months, may times will bring strong winds, hail, and lighting, in addition to heavy rain, into the area. Lightning is an electrical discharge from the cloud to the ground, and may cause a large amount of property damage, and is also a risk to the general public. Lightning is particularly dangerous, since although the bolt normally travels directly to the ground, it can also occur at angles away from the storm, and at a great distance.

Inventory of Assets Assets Exposed to & Estimated Loss due to Flood

Hazard: Flood

Type of Building	Number of Structures			Value of Structures			Number of People		
	# on Institution	# in Hazard Area	% in Hazard Area	# on Institution	\$ in Hazard Area	% in Hazard Area	# on Institution	# in Hazard Area	% in Hazard Area
Residential	9	1	11.111%	0	0	0.000%		0	#DIV/0!
Classroom Buildings	14	2	14.286%	116,118	16,588	14.286%		0	#DIV/0!
Administration	25	2	8.000%	0	0	0.000%		0	#DIV/0!
Research	0	0	0.000%	0	0	0.000%		0	#DIV/0!
Recreational Use	4	0	0.000%	0	0	0.000%		0	#DIV/0!
Libraries	1	0	0.000%	0	0	0.000%		0	#DIV/0!
Medical Facilities	1	0	0.000%	0	0	0.000%		0	#DIV/0!
Dining Facilities / Auditoriums	9	2	22.222%	0	0	0.000%		0	#DIV/0!
Utilities	6	2	33.333%	5,500	1,833	33.333%		0	0%
Total	69	9	13.043%	121,618	16,588	13.640%	0	0	#DIV/0!

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

Flood

A. Assets Exposed to Flood

Buildings, campus road systems, and parking lots are the major assets exposed to localized flooding. However, the Valdosta State campus has no history of flooding.

Buildings that fall within the 100 year flood plan are as follows: Fine Arts Building, Education Center, Pine Hall, the Boiler House, and Lowndes Residence Hall.

B. Estimated Potential Loss due to Flood

Flooding would cause at least \$1.0 million in water damages to building on campus. However the campus has no past experience with flooding.

Inventory of Assets

Assets Exposed to & Estimated Loss due to Wind

Hazard: Wind (Hurricane/ Tropical Storm, Tornadoes)

Type of Building	Number of Structures			Value of Structures			Number of People		
	# on Institution	# in Hazard Area	% in Hazard Area	# on Institution	\$ in Hazard Area	% in Hazard Area	# on Institution	# in Hazard Area	% in Hazard Area
Residential	9	9	100.000%	27,953,760	27,953,760	0.000%		0	#DIV/0!
Classroom Buildings	14	14	100.000%	84,261,442	84,261,442	100.000%		0	#DIV/0!
Administration	25	25	100.000%	34,269,664	34,269,664	0.000%		0	#DIV/0!
Research	0	0	0.000%	0	0	0.000%		0	#DIV/0!
Recreational Use	4	4	100.000%	24,736,002	24,736,002	0.000%		0	#DIV/0!
Libraries	1	1	100.000%	21,398,710	21,398,710	0.000%		0	#DIV/0!
Medical Facilities	1	1	100.000%	814,200	814,200	0.000%		0	#DIV/0!
Dining Facilities / Auditoriums	9	9	100.000%	88,572,273	88,572,273	0.000%		0	#DIV/0!
Utilities	6	6	100.000%	2,368,437	2,368,437	100.000%		0	0%
Total	69	69	100.000%	284,374,488	282,006,051	99.167%	0	0	#DIV/0!

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

II. Wind & Storms

A. Assets Exposed to Wind & Storms

All of Valdosta is exposed to tornadoes, hurricanes and tropical storms. Current building codes require all buildings to be built to withstand 80 mph sustained winds with 100 mph 3 second gust. Lowndes County is covered with dense tree vegetation. This plant cover creates considerable debris in windstorms. Falling trees and broken limbs disrupt electrical power and communication transmissions.

B. Estimated Potential Loss due to Wind & Storms

Depending on the route of a strong tornado, the potential loss could be significant in property damage and loss of life. The strength of the storm and/or the amount of rainfall will determine the loss from storms. Stronger storms, as indicated by the County's historical experience, will cause considerable more damage.

Inventory of Assets

Assets Exposed to & Estimated Loss due to Lightning

Hazard: Lightning

Type of Building	Number of Structures			Value of Structures			Number of People		
	# on Institution	# in Hazard Area	% in Hazard Area	# on Institution	\$ in Hazard Area	% in Hazard Area	# on Institution	# in Hazard Area	% in Hazard Area
Residential	9	9	100.000%	27,953,760	27,953,760	0.000%		0	#DIV/0!
Classroom Buildings	14	14	100.000%	84,261,442	84,261,442	100.000%		0	#DIV/0!
Administration	25	25	100.000%	34,269,664	34,269,664	0.000%		0	#DIV/0!
Research	0	0	0.000%	0	0	0.000%		0	#DIV/0!
Recreational Use	4	4	100.000%	24,736,002	24,736,002	0.000%		0	#DIV/0!
Libraries	1	1	100.000%	21,398,710	21,398,710	0.000%		0	#DIV/0!
Medical Facilities	1	1	100.000%	814,200	814,200	0.000%		0	#DIV/0!
Dining Facilities / Auditoriums	9	9	100.000%	88,572,273	88,572,273	0.000%		0	#DIV/0!
Utilities	6	6	100.000%	2,368,437	2,368,437	100.000%		0	0%
Total	69	69	100.000%	284,374,488	282,006,051	99.167%	0	0	#DIV/0!

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

III. Lightning

A. Assets Exposed to Lightning

All critical facilities at Valdosta State University are exposed to lightning, as well as individuals outside and electrical equipment. The total potential impact of lightning on the built community is \$282,006,051 (see page 29 in Appendix B). The estimated Valdosta State University population exposed to lightning is 14,000.

B. Estimated Potential Loss due to Lightning

The entire university is exposed to potential lightning hazards. The risk of loss-of-life and the potential for a large number of individuals in outdoor gatherings to be injured are relatively high. As noted, the total replacement value of critical facilities at Valdosta State is \$282,006,051 (Appendix B).

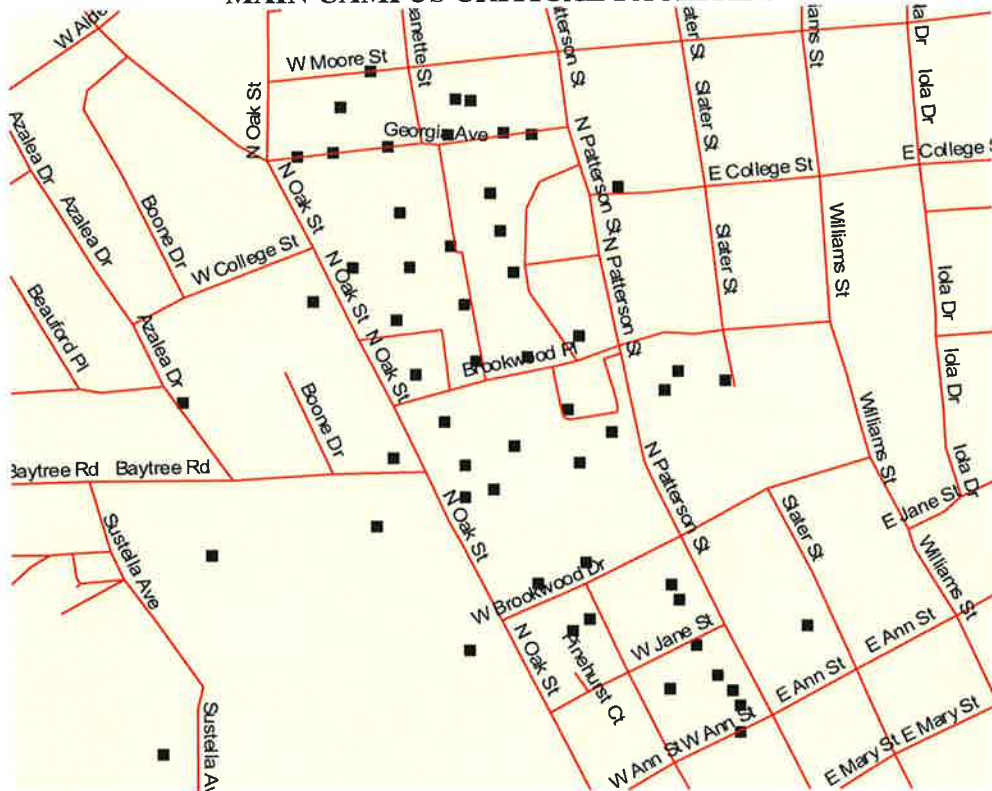
Appendix C

- Critical Facilities Map
- Flood Hazard Score
- Wind Hazard Score

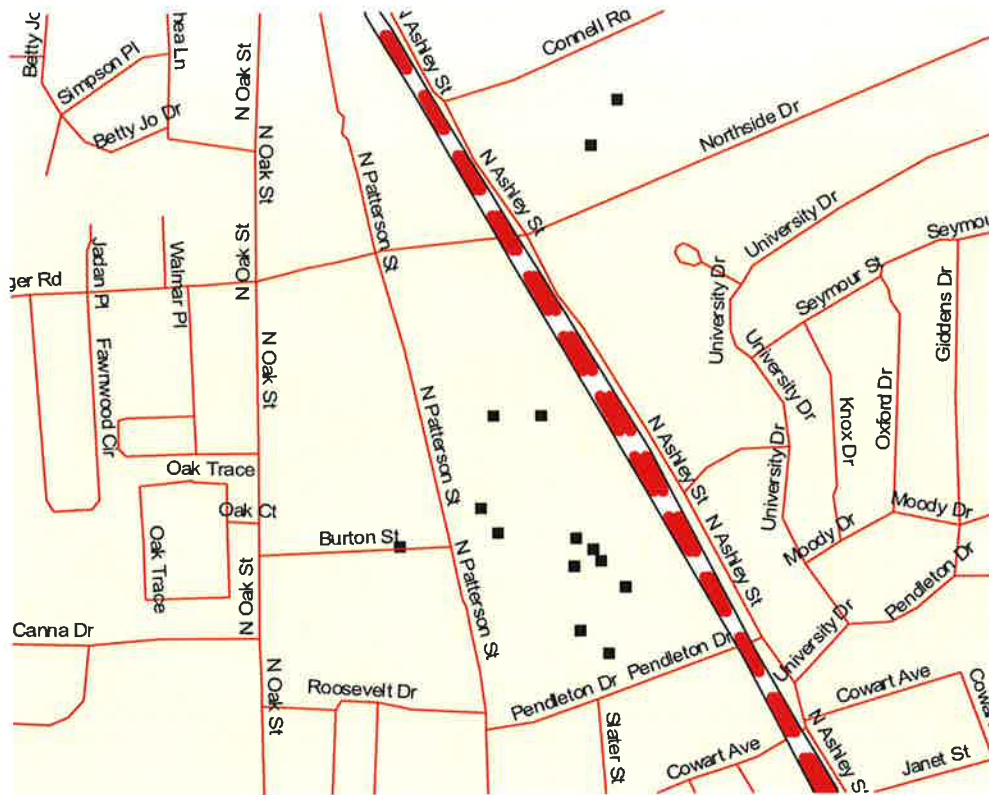
Critical Facilities

Valdosta State's Critical Facilities:

MAIN CAMPUS CRITICAL FACILITIES

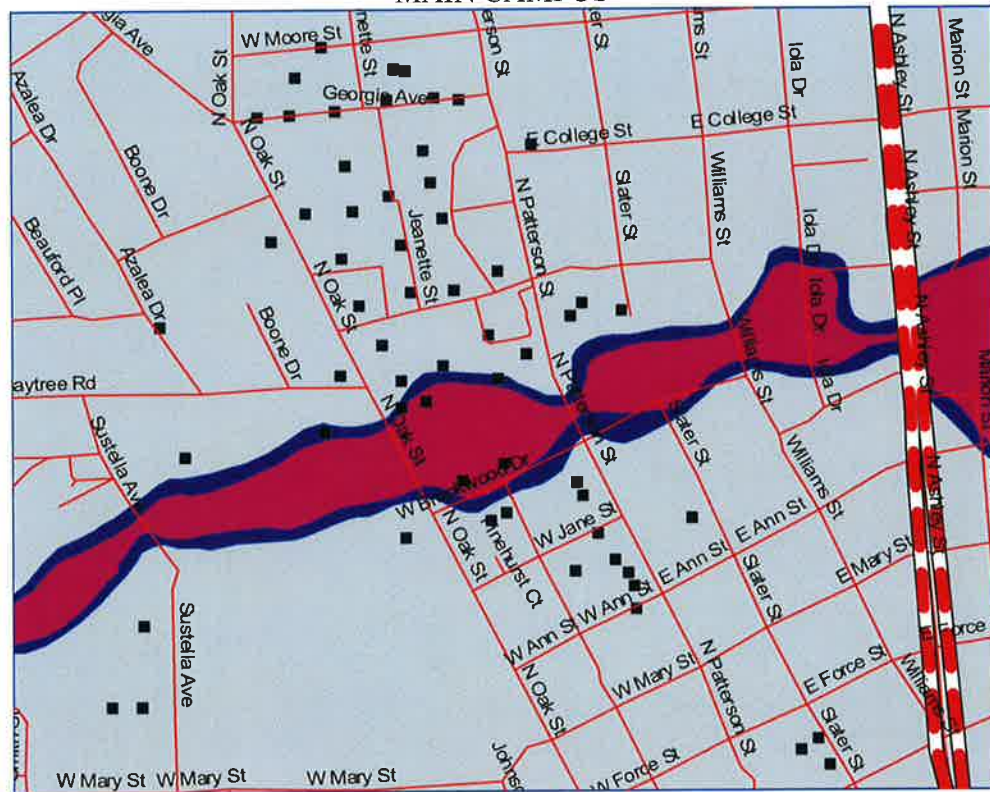


NORTH CAMPUS CRITICAL FACILITIES



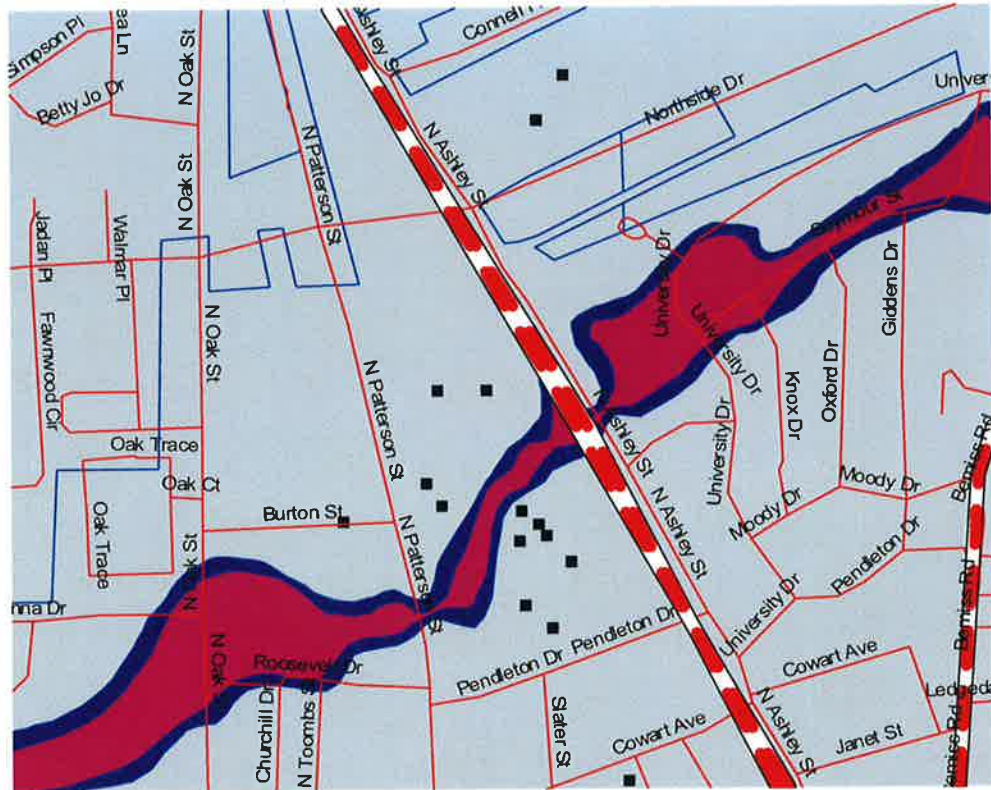
Valdosta State's Flood Hazard Scores:

MAIN CAMPUS



1 = low risk, 4 = high risk

NORTH CAMPUS



1 = low risk, 4 = high risk

Reporting for Flood Hazard by Jurisdiction Grouped by Hazard Score

Government Jurisdiction	Type	Name or Structure Description	Essential Facility	Transportation System	Lifeline System	High Potential Loss	Haz Mat Facility	Important Facility	Vulnerable Population	Economic Assets	Special Considerations	Historic Considerations	Other	Size of Bldg. (sq. ft.)	Replace Value (\$)	Contents Value	Occupancy	Hazard Score
Valdosta city	Public University	Boiler House	X			X	X	X		X	X			4,219	\$1,508,750			3
Valdosta city	Public University	Fine Arts Building	X			X	X	X	X	X	X	X		92,498	\$10,914,764	\$1,895,644		3
Valdosta city	Public University	Fine Arts Mechanical Building				X				X				1,281	\$124,500			3
Totals for: Valdosta city , Hazard Score = 3																		
Valdosta city	Public University	Education Center	X			X		X	X	X	X	X		73,620	\$8,687,160	\$1,684,220		2
Valdosta city	Public University	Lowndes Residence Hall	X		X	X		X	X	X	X	X		35,145	\$0	\$3,096		2
Valdosta city	Public University	Pine Hall	X		X	X		X		X	X	X		22,940	\$2,706,920	\$665,379		2
Totals for: Valdosta city , Hazard Score = 2																		
Valdosta city	Public University	Admissions						X				X	X	5,382	\$508,599	\$72,657		0
Valdosta city	Public University	Alumni Hosue												3,686	\$322,525	\$52,573		0
Valdosta city	Public University	Ashley Hall	X		X				X		X	X		25,985	\$2,520,545	\$1,042,651		0
Valdosta city	Public University	Auxiliary Services							X					2,677	\$224,868	\$43,077		0
Valdosta city	Public University	Bailey Science Center	X			X		X	X	X	X	X		148,165	\$17,483,480	\$3,504,186		0
Valdosta city	Public University	Band House Music Annex												1,876	\$146,904			0
Valdosta city	Public University	Barrow Hall / ROTC												12,201	\$1,182,497	\$18,518		0

Valdosta city	Public University	Baseball Field House																10,161	\$863,685	\$47,784	0
Valdosta city	Public University	Baytree Apartments																3,521	\$332,734	\$47,534	0
Valdosta city	Public University	Brown Residence Hall	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	36,368	\$3,537,696	\$368,700	0
Valdosta city	Public University	Campus Mail																3,011	\$0	\$77,391	0
Valdosta city	Public University	Care Net																2,214	\$0	\$14,451	0
Valdosta city	Public University	Carswell House																2,127	\$205,254	\$29,322	0
Valdosta city	Public University	Centennial Hall East	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	145,574	\$0	\$20,612	0
Valdosta city	Public University	Centennial Hall West	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	69,772	\$0	\$20,620	0
Valdosta city	Public University	Chemical Management																1,239	\$78,057	\$40,766	0
Valdosta city	Public University	Continuing Ed / Psychology Building	X															39,144	\$0	\$2,589,014	0
Valdosta city	Public University	Converse Apartments	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	42,440	\$4,116,680	\$276,000	0
Valdosta city	Public University	English Language Institute																3,596	\$0	\$8,700	0
Valdosta city	Public University	Farber Health Center	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	6,900	\$814,200	\$80,730	0
Valdosta city	Public University	Georgia Residence Hall	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	43,259	\$4,196,123	\$381,200	0
Valdosta city	Public University	Greenhouse																2,997	\$90,000	\$18,083	0
Valdosta city	Public University	Gymnasium																35,724	\$4,215,432	\$159,138	0
Valdosta city	Public	Hopper Residence Hall	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	38,651	\$3,749,147	\$350,000	0

Valdosta city	Public University	Plant Ops Storage	X	X	X	X	X	X	X	10,571	\$317,130	\$51,000	0
Valdosta city	Public University	Pound Hall	X		X	X	X	X	X	30,930	\$3,000,210	\$328,851	0
Valdosta city	Public University	Powell Hall	X	X	X	X	X	X	X	25,421	\$2,465,837	\$232,000	0
Valdosta city	Public University	President's Home								2,172	\$467,451	\$6,698	0
Valdosta city	Public University	Print Shop			X	X	X	X	X	8,926	\$865,822	\$550,616	0
Valdosta city	Public University	Psychology Class B					X			3,201	\$285,689	\$39,424	0
Valdosta city	Public University	Radio House								1,817	\$177,282	\$64,779	0
Valdosta city	Public University	Reade Residence Hall	X	X	X	X	X	X	X	43,259	\$2,072,211	\$191,000	0
Valdosta city	Public University	Seago House/ EOP					X			5,541	\$0	\$57,502	0
Valdosta city	Public University	Softball Field House								2,308	\$205,520	\$0	0
Valdosta city	Public University	Softball Ticket Booth								110	\$228,501	\$0	0
Valdosta city	Public University	Special Ed/ Communication Disorders	X		X	X	X	X	X	25,350	\$2,991,300	\$407,156	0
Valdosta city	Public University	Student Recreation Center					X			76,372	\$8,019,060	\$657,790	0
Valdosta city	Public University	Thaxton Hall	X		X	X	X	X	X	12,075	\$1,183,594	\$101,612	0
Valdosta city	Public University	Univeristy Center	X	X	X	X	X	X	X	150,862	\$17,172,703	\$1,620,999	0
Valdosta city	Public University	University Advancement/ Brown House								3,472	\$0	\$31,664	0

Valdosta's Wind Hazard Scores:

MAIN CAMPUS



1 = low risk, 4 = high risk

NORTH CAMPUS



1 = low risk, 4 = high risk

Reporting for Wind Hazard by Jurisdiction Grouped by Hazard Score

Government Jurisdiction	Type	Name or Structure Description	Essential Facility	Transportation System	Lifeline System	High Potential Loss	Haz Mat Facility	Important Facility	Vulnerable Population	Economic Assets	Special Considerations	Historic Considerations	Other	Size of Bldg. (sq. ft.)	Replace Value (\$)	Replace Value Year	Contents Value	Occupancy	Hazard Score
Valdosta city	Public University	Admissions						X			X	X		5,382	\$508,599	2007	\$72,657		2
Valdosta city	Public University	Alumni Hosue												3,686	\$322,525	2007	\$52,573		2
Valdosta city	Public University	Ashley Hall	X		X			X			X	X		25,985	\$2,520,545	2007	\$1,042,651		2
Valdosta city	Public University	Auxiliary Services						X						2,677	\$224,868	2007	\$43,077		2
Valdosta city	Public University	Bailey Science Center	X			X		X	X	X	X	X		148,165	\$17,483,480	2007	\$3,504,186		2
Valdosta city	Public University	Band House Music Annex												1,876	\$146,904	2007			2
Valdosta city	Public University	Barrow Hall / ROTC												12,201	\$1,182,497	2007	\$18,518		2
Valdosta city	Public University	Baseball Field House												10,161	\$863,685	2007	\$47,784		2
Valdosta city	Public University	Baytree Apartments												3,521	\$332,734	2007	\$47,534		2
Valdosta city	Public University	Boiler House	X			X		X		X	X			4,219	\$1,508,750	2007			2
Valdosta city	Public University	Brown Residence Hall	X		X	X		X	X	X	X	X		36,368	\$3,537,696	2007	\$368,700		2
Valdosta city	Public University	Campus Mail						X			X			3,011	\$0	2007	\$77,391		2
Valdosta city	Public University	Care Net							X					2,214	\$0	2007	\$14,451		2
Valdosta city	Public University	Carswell House												2,127	\$205,254	2007	\$29,322		2
Valdosta city	Public University	Centennial Hall East	X		X	X		X	X	X	X	X		145,574	\$0	2007	\$20,612		2

Valdosta city	Public University	Centennial Hall West	X							X	X	X	X	X	X	69,772	\$0	2007	\$20,620	2
Valdosta city	Public University	Chemical Management											X	X	X	1,239	\$78,057	2007	\$40,766	2
Valdosta city	Public University	Continuing Ed / Psychology Building	X							X	X	X	X	X	X	39,144	\$0	2007	\$2,589,014	2
Valdosta city	Public University	Converse Apartments	X							X	X	X	X	X	X	42,440	\$4,116,680	2007	\$276,000	2
Valdosta city	Public University	Education Center	X							X	X	X	X	X	X	73,620	\$8,687,160	2007	\$1,684,220	2
Valdosta city	Public University	English Language Institute														3,596	\$0	2007	\$8,700	2
Valdosta city	Public University	Farber Health Center	X							X	X	X	X	X	X	6,900	\$814,200	2007	\$80,730	2
Valdosta city	Public University	Fine Arts Building	X							X	X	X	X	X	X	92,498	\$10,914,764	2007	\$1,895,644	2
Valdosta city	Public University	Fine Arts Mechanical Building												X		1,281	\$124,500	2007		2
Valdosta city	Public University	Georgia Residence Hall	X							X	X	X	X	X	X	43,259	\$4,196,123	2007	\$381,200	2
Valdosta city	Public University	Greenhouse														2,997	\$90,000	2007	\$18,083	2
Valdosta city	Public University	Gymnasium														35,724	\$4,215,432	2007	\$159,138	2
Valdosta city	Public University	Hopper Residence Hall	X							X	X	X	X	X	X	38,651	\$3,749,147	2007	\$350,000	2
Valdosta city	Public University	International Programs														4,691	\$408,117	2007	\$40,842	2
Valdosta city	Public University	Langdale Residence Hall	X							X	X	X	X	X	X	105,999	\$10,281,903	2007	\$894,600	2
Valdosta city	Public University	Lowndes Residence Hall	X							X	X	X	X	X	X	35,145	\$0	2007	\$3,096	2
Valdosta city	Public University	Martin Hall School of Nursing	X													18,373	\$2,168,014	2007	\$621,032	2

Valdosta city	Public University	MFT Clinic									1,713	\$161,878	2007	\$20,042	2
Valdosta city	Public University	Nevins Hall	X								104,300	\$13,282,500	2007	\$2,183,818	2
Valdosta city	Public University	NOCO Concessions									702	\$31,590	2007	\$1,250	2
Valdosta city	Public University	Odum Library	X								181,645	\$21,398,710	2007	\$19,033,000	2
Valdosta city	Public University	Old COOP/Williams House									2,588	\$194,100	2007	\$45,200	2
Valdosta city	Public University	Old Housing & Residence Life									2,669	\$261,609	2007		2
Valdosta city	Public University	One Card								X	4,915	\$466,925	2007	\$287,369	2
Valdosta city	Public University	Palms Dining Center	X								31,211	\$2,949,439	2007	\$355,400	2
Valdosta city	Public University	Parking Control Office									235	\$22,207	2007	\$850	2
Valdosta city	Public University	Parking Services									1,780	\$160,200	2007	\$63,241	2
Valdosta city	Public University	Patterson Residence Hall	X								59,264	\$0	2007	\$3,096	2
Valdosta city	Public University	PE Complex									105,945	\$12,501,510	2007	\$950,296	2
Valdosta city	Public University	Pine Hall	X								22,940	\$2,706,920	2007	\$665,379	2
Valdosta city	Public University	Plant Operations	X								50,952	\$0	2007	\$341,495	2
Valdosta city	Public University	Plant Ops Storage	X								10,571	\$317,130	2007	\$51,000	2
Valdosta city	Public University	Pound Hall	X								30,930	\$3,000,210	2007	\$328,851	2
Valdosta city	Public University	Powell Hall	X								25,421	\$2,465,837	2007	\$232,000	2

Valdosta city	Public University	President's Home									2,172	\$467,451	2007	\$6,698	2
Valdosta city	Public University	Print Shop									8,926	\$865,822	2007	\$550,616	2
Valdosta city	Public University	Psychology Class B									3,201	\$285,689	2007	\$39,424	2
Valdosta city	Public University	Radio House									1,817	\$177,282	2007	\$64,779	2
Valdosta city	Public University	Reade Residence Hall									43,259	\$2,072,211	2007	\$191,000	2
Valdosta city	Public University	Seago House/EOP									5,541	\$0	2007	\$57,502	2
Valdosta city	Public University	Softball Field House									2,308	\$205,520	2007	\$0	2
Valdosta city	Public University	Softball Ticket Booth									110	\$228,501	2007	\$0	2
Valdosta city	Public University	Special Ed/Communication Disorders									25,350	\$2,991,300	2007	\$407,156	2
Valdosta city	Public University	Student Recreation Center									76,372	\$8,019,060	2007	\$657,790	2
Valdosta city	Public University	Thaxton Hall									12,075	\$1,183,594	2007	\$101,612	2
Valdosta city	Public University	University Center									150,862	\$17,172,703	2007	\$1,620,999	2
Valdosta city	Public University	University Advancement/Brown House									3,472	\$0	2007	\$31,664	2
Valdosta city	Public University	University Bookstore									15,057	\$0	2007	\$425,000	2
Valdosta city	Public University	University Bursary									1,185	\$0	2007	\$41,847	2
Valdosta city	Public University	University Park 1									2,169	\$0	2007	\$21,324	2
Valdosta city	Public University	University Park 2									2,345	\$0	2007	\$7,000	2

Appendix D

- Email of Plan Availability to University
- Letter of Review by Lowndes County Emergency Management Agency
- Hazard Frequency Table

Cathi Storey

From: Cathi Storey [cfstorey@valdosta.edu]
Sent: Thursday, September 27, 2007 8:55 AM
To: 'announcements@valdosta.edu'
Subject: Valdosta State Pre-Disaster Mitigation Plan

Dear Campus Community,

Environmental & Occupational Safety, along with the help of GEMA & FEMA, has created a Pre-Disaster Mitigation Plan. The Pre-Disaster Mitigation Plan represents Valdosta State University's commitment to reducing risks from natural hazards and serves as a guide for decision makers as they commit resources to reducing the effects of potential hazards. This plan is intended to serve as a blueprint for coordinating and implementing hazard mitigation policies, programs and projects. The Pre-Disaster Mitigation Plan is currently available for review at the Environmental & Occupational Safety Office in Ashley Hall, Room 118.

Cathi Storey
Administrative Secretary
Environmental & Occupational Safety
Valdosta State University
(229) 293-6171 office
(229) 333-5334 fax
www.valdosta.edu/safety

Robert DeLong

Cathi Storey

From: Cathi Storey [cfstorey@valdosta.edu]
Sent: Thursday, September 27, 2007 9:01 AM
To: 'asloan@gema.state.ga.us'
Subject: Letter or Review by Lowndes County EMA

Mr. Sloan,

Mr. Ashley Tye, the Director of the Lowndes County Emergency Management Agency, reviewed the Valdosta State University Pre-Disaster Mitigation Plan on August 20, 2007.

He had no recommendation to make and stated he would add it to the Lowndes County Plan once it was received in his office.

Cathi Storey
Administrative Secretary
Environmental & Occupational Safety
Valdosta State University
(229) 293-6171 office
(229) 333-5334 fax
www.valdosta.edu/safety



Valdosta State University
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
Hurricane Wind	33	154	5	10	24	4.67	21.43	0.5	0.5	0.48
Floods	0	0	0	0	0	0.00	0.00	0	0	0
Tornado	0	0	0	0	0	0.00	0.00	0	0	0
Thunderstorm Wind	25	10	25	40	0	0.40	250.00	2.5	2	0
Lightning	700	10	700	1400	3500	0.01	7000.00	70	70	70
HazMat Release (fixed)						0.00	0.00	0	0	0
HazMat Release (trans)						0.00	0.00	0	0	0

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.

Appendix G – Lowndes County CWPP



Community Wildfire Protection Plan

An Action Plan for Wildfire Mitigation and Conservation of Natural Resources

Lowndes County, Georgia

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

+



FEB 18, 2011

Prepared by;
Buck Kline, Chief Ranger Lowndes County
Will Fell CWPP Specialist
Georgia Forestry Commission
3011 US Hwy 84 East
Valdosta, GA 31606

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:

Ashley Tye
Lowndes County EMA Director
(229) 671-2790
aty@lowndescounty.com

Richard Guyton
Chief Lowndes County FD
(229) 671-2730
rguyton@lowndescounty.com

Buck Kline
Chief Ranger, Lowndes County Forestry Unit
(229) 333-5267
bkline@gfc.state.ga.us

J. D. Felty
Chief Moody AFB FD
(229) 257-4413
jeffrey.felty@moody.af.mil

Ken Carter
Captain, Lowndes County FD
(229) 671-2730
kcarter@lowndescounty.com

Steven Seward
Deputy Chief Moody AFB FD
(229) 257-4414
steven.steward@moody.af.mil

PLAN CONTENTS

Preface.....	4
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

Lowndes 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 Lowndes 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 Dec 17th, 2009 to assess risks and develop the Community Wildfire Protection Plan. The group is comprised of representatives from local government, local fire authorities, and the state agency responsible for forest management. Below are the groups included in the task force:

Lowndes County Government
Lowndes County Fire Department
Emergency Management
US Department of Defense, USAF
Moody AFB Fire Department,
Georgia Forestry Commission

It was decided to conduct community assessments on the basis individual fire districts in the county. The chiefs of the fire departments in the county assessed their districts and reconvened on March 9th, 2010 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

Lowndes County in southwest Georgia was created in 1825 by an act of the state legislature. The county was named for William Jones Lowndes, whose father, Rawlins Lowndes, had been a Revolutionary War (1775-83) leader from South Carolina. Lowndes County was originally bordered by Irwin County to the north, Ware County to the east, Florida to the south, and Thomas County to the west.

In 1827 settlers established the first town, Franklinville, and designated it the county seat. In 1833 a courthouse was built at Lowndesville (located at the junction of the Little and Withlacoochee rivers), which then became the new county seat. Four years later Lowndesville was renamed Troupville, in honor of Georgia governor George Troup. According to the 1840 census, there were 4,394 whites and 1,180 blacks in the county at that time. On December 12, 1859, Lowndes County commissioners purchased 140 acres for \$1,250 to establish a new county seat, which they named Valdosta after Val d'Aosta, Troup's plantation home. The reason for the move was to connect with a railroad line from Savannah. The first train passed through Valdosta on July 4, 1860. Between 1890 and 1916, Valdosta became the largest inland market for Sea Island cotton in the world. The arrival of the boll weevil in 1915 caused the eventual destruction of cotton crops across the state.

One of the largest employers in early Lowndes County was the Strickland Cotton Mills, put into operation in 1900 by B. F. Strickland, the company's president. Employees of the mill lived in a company town named Remerton, which still exists today, although the mill has been torn down. In addition to textiles, timber and turpentine were major industries in Lowndes County in the early 1900s. The American Turpentine Farmers Association was founded in 1936, with its headquarters in Valdosta. Judge Harley Langdale began buying timberland and formed the Langdale Forest Products Company, one of the largest companies in Lowndes County. The second plant to bottle Coca-Cola in the world was located in Lowndes County. By 1936 the plant was one of the first modern plants in south Georgia and served a seven-county area.

In 1906 South Georgia State Normal College was founded in Valdosta to provide higher education opportunities for women in the area. The school was renamed Georgia State Women's College in 1922. After World War II (1941-45) many men wanted to attend college. The school became coeducational in 1950 and was renamed Valdosta State College. The college became Valdosta State University in 1993. The main campus of Valdosta Technical College, which opened in 1963 and serves a six-county area, is also located in Valdosta.

Besides Valdosta and Remerton, Lowndes County also is home to the city of Hahira (incorporated in October 1891), famous for its Honey Bee Festival; Lake Park, a city surrounded by lakes that is home to several outlet malls; and Dasher. Moody Air Force Base in Valdosta is home to the 23d Wing.

According to the 2000 U.S. census, the population of Lowndes County was 92,115 (62 percent white, 34 percent black, and 2.7 percent Hispanic), a 21 percent increase since 1990.

(Courtesy David Peeples, *New Georgia Encyclopedia*)

Existing Situation

Lowndes County located in deep south Georgia, despite being home to the largest urbanized area along the southern tier of counties, is still almost 64% forested. Perhaps with the exception of the large blocks of woodlands in the flatwoods of northeastern Lowndes County, 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.

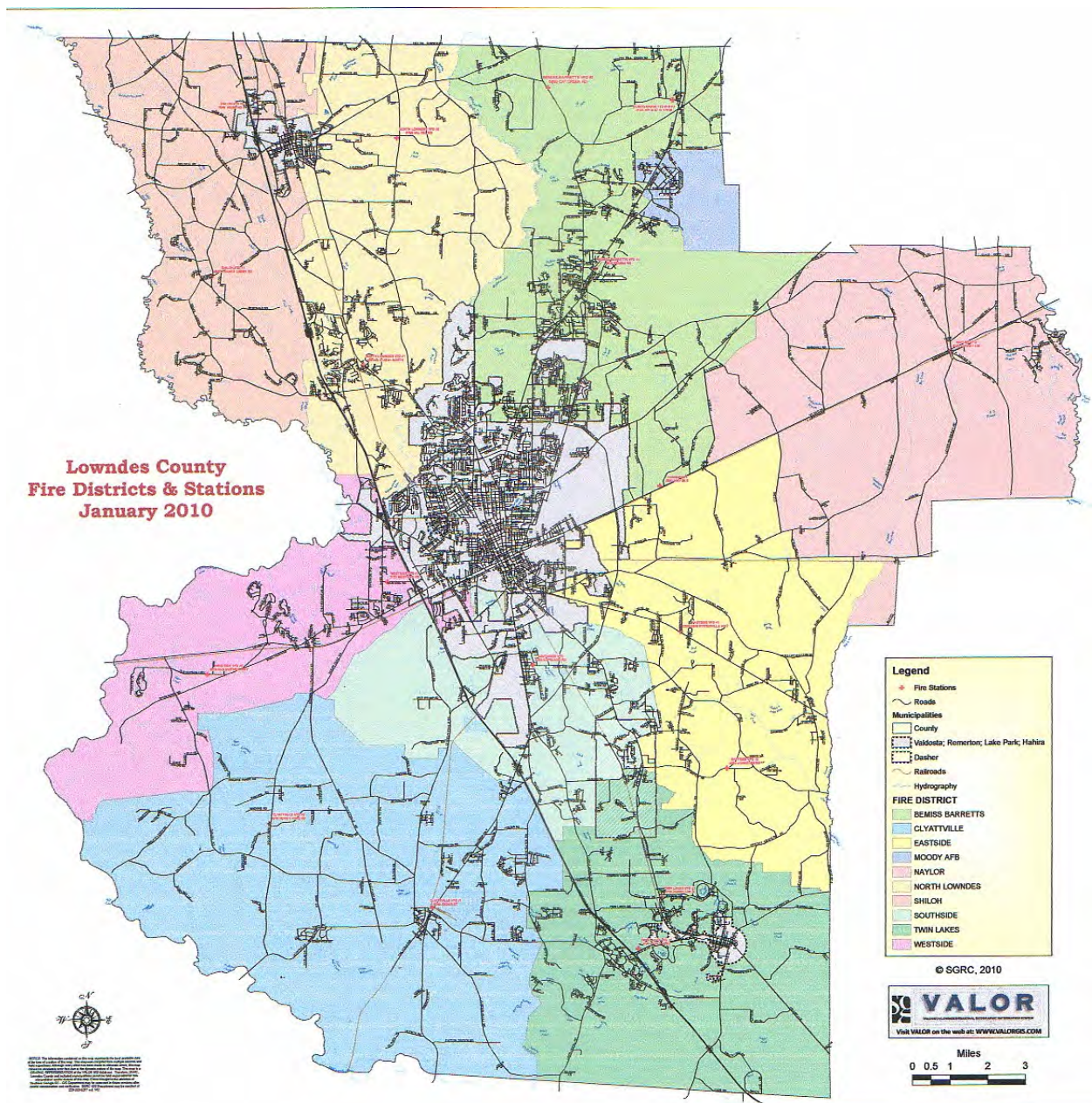
Lowndes County is protected by organized fire departments within the cities of Valdosta, Hahira and Moody Air Force Base along with 17 well spaced volunteer fire departments in the unincorporated areas of the county. The Georgia Forestry Commission maintains a county protection unit located just east of Valdosta on Hwy 84 to respond to wildfires throughout the county. The cities of Valdosta, Hahira and Lake Park and some adjacent areas of the county are serviced by a pressurized water systems with hydrants available.

Over the past fifty two years, Lowndes County has averaged 126 reported wildland fires per year, burning an average of 594 acres per years. Using more recent figures over the past 20 years, this number has declined somewhat to an average of 105 fires per year burning 419 acres annually. The occurrence of these fires during this period shows a pronounced peak during the months of January, February and March accounting for 47% of the annual fires and almost 70% of the average acreage burned. There is a significant decrease during the remainder of the year, particularly during the summer months.

Over the past 20 years, the leading causes of these fires, was debris burning and arson causing 50% and 19% respectively of the fires and 68% and 16% respectively of the acres burned. Over the past six years records show that over 55% of the debris fires originated from residential burning.

Georgia Forestry Commission Wildfire Records show that in the past six years, 6 homes have been lost or damaged by wildfire in Lowndes County resulting in estimated losses of \$171,500 along with 19 outbuildings valued at \$56,400. According to reports during this period 98 homes have been directly or indirectly threatened by these fires. Additionally 11 vehicles valued at \$74,000 and 16 other pieces of mechanized equipment valued at \$407,250 were lost. This is a substantial loss of non timber property attributed to wildfires in Lowndes 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 the 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 assessments conducted in 2010 by the Lowndes County Fire Departments returned an average score of 44, placing Lowndes County in the “Low” hazard range. The risk assessment instrument used to evaluate wildfire hazards to Lowndes County’s WUI was the Hazard and Wildfire Risk Assessment Checklist. The instrument takes into consideration accessibility, vegetation (based on fuel models), roofing assembly, building construction, and availability of fire protection resources, placement of gas and electric utilities, and additional rating factors. The following factors contributed to the wildfire hazard score for Lowndes County:

- Unpaved roads and private driveways
- Narrow roads without drivable shoulders
- Inadequate driveway access
- 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
- Undeveloped lots comprising half the total lots in many rural communities.
- High occurrence of wildfires in the several locations
- Lack of homeowner or community organizations

Summary of Lowndes County Assessments

Area/Community	Fire District	Community Access	Surrounding Vegetation	Bldg Construction	Fire Protection	Utilities	Add. Factors	Score	Hazard Rating
Southside	1	4	15	5	10	7	3	44	Low
Clyattville	2	4	15	5	10	7	3	44	Low
Twin Lakes	3	4	15	5	10	7	3	44	Low
North Lowndes	4	4	15	5	10	7	3	44	Low
Bemiss Barretts	5	4	15	5	10	7	3	44	Low
Shiloh	6	4	15	5	10	7	3	44	Low
Eastside	7	4	15	5	10	7	3	44	Low
Naylor	8	4	15	5	10	7	3	44	Low
Westside	9	4	15	5	10	7	3	44	Low
Quiet Pines/Magnolia Grove	Moody AFB	8	10	0	0	2	5	25	Low

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.

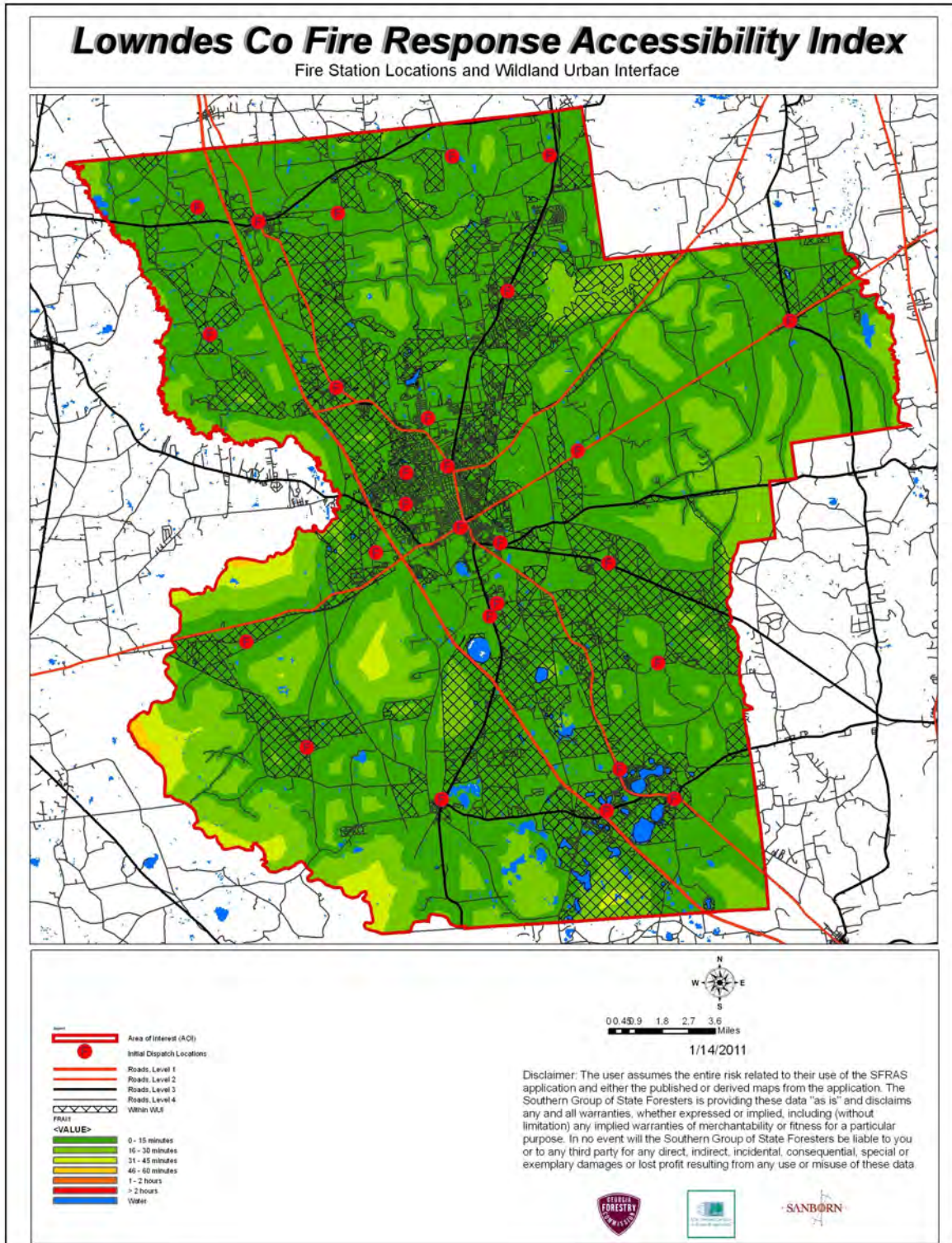
Fire Response Accessibility Index is a relative measure of how long it would take initial attack resources to drive from their station to various areas of the county. This index is derived from assigning average speeds to the various road classes in the county. For the purpose of this analysis the following 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.

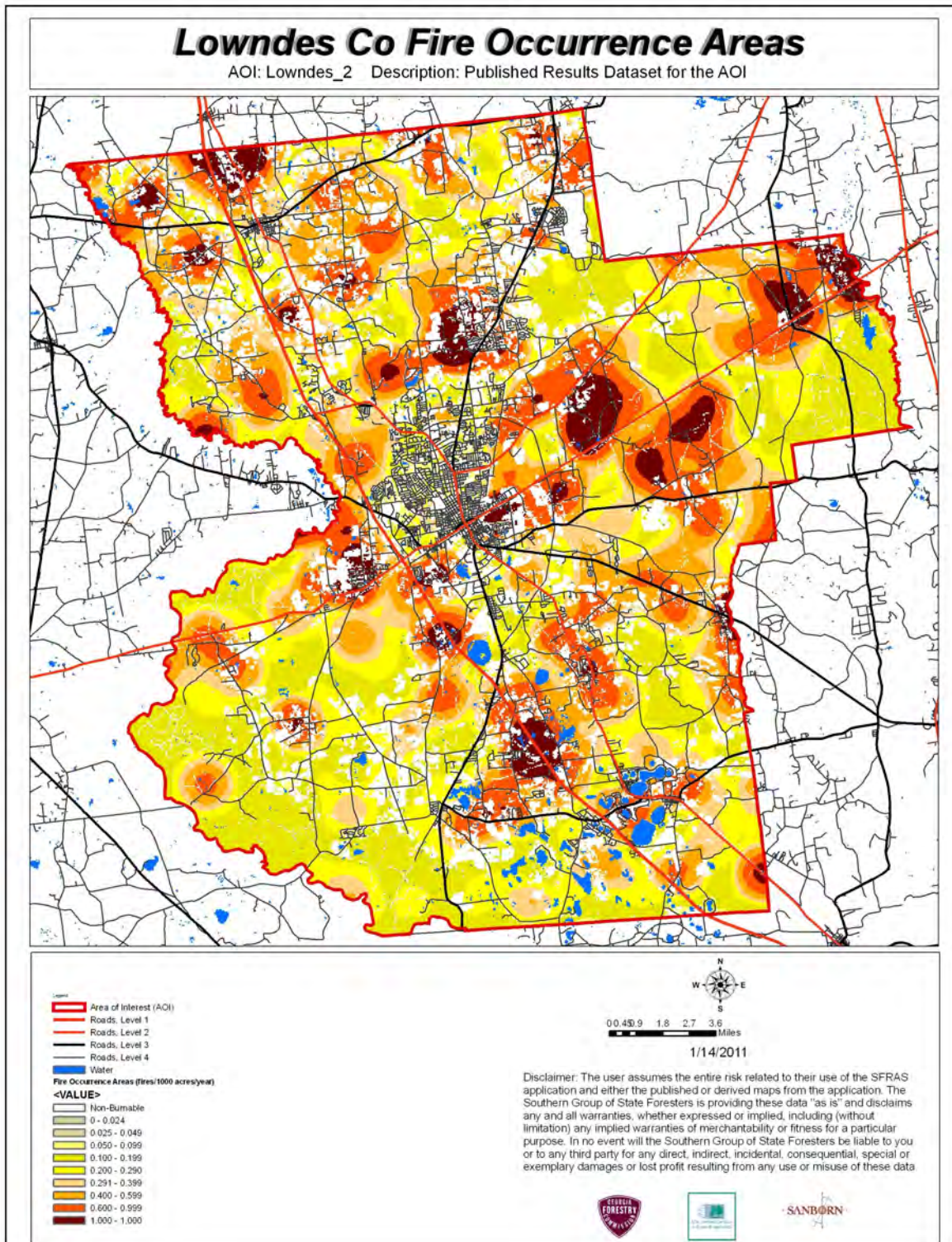
Fire Occurrence Areas maps use data from wildfire reports over the period from 1997-2002. The fire occurrence rates mapped are the probability of the number of fires occurring per 1000 acres per year based on this historic information.

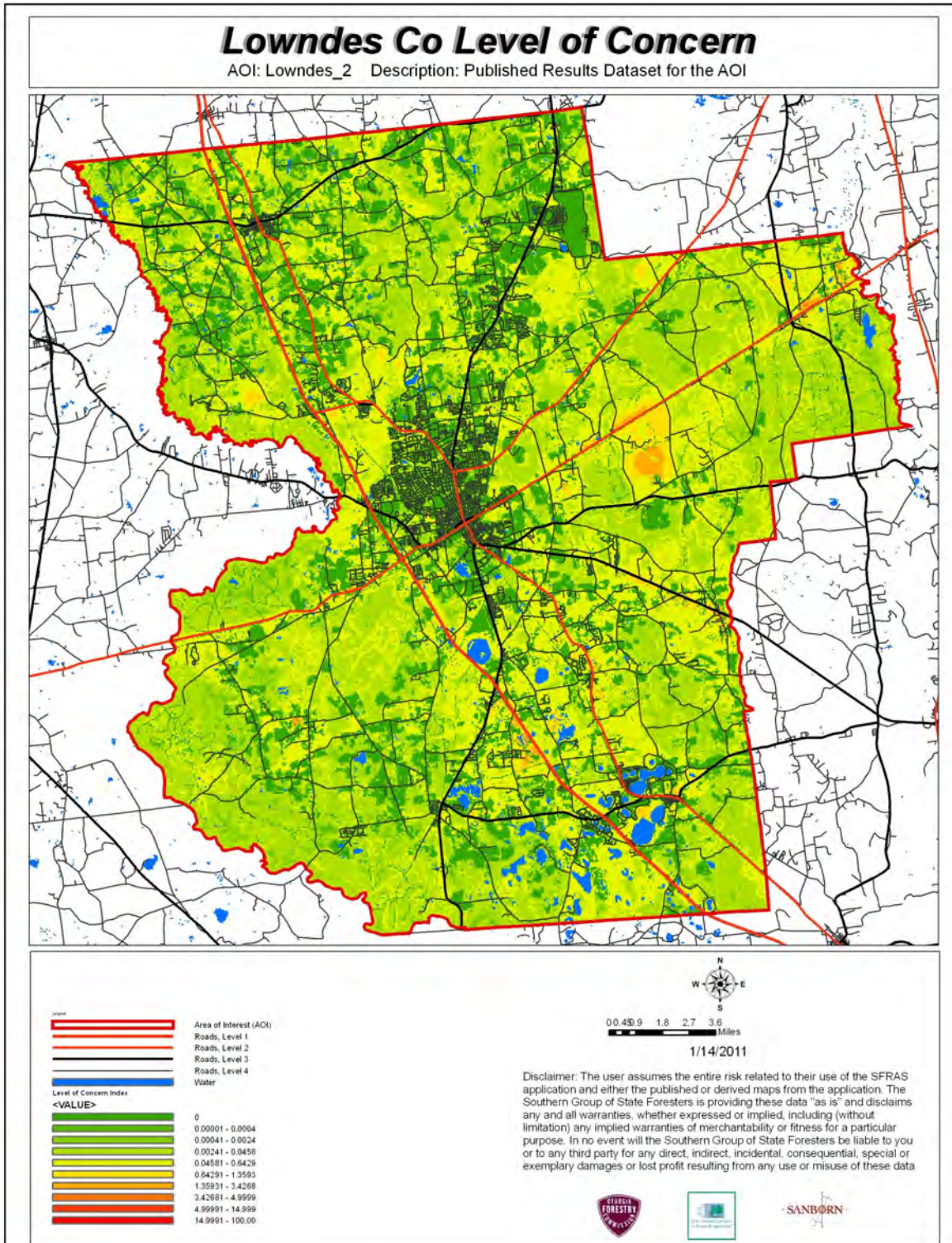
Wildland Fire Susceptibility maps show an index value between 0 and 1 and are developed by a mathematical calculation process for determining the probability of an acre burning and the expected final fire size. Many layers of data are used in developing this calculation including historic fire data, 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







```
ERROR: undefined
OFFENDING COMMAND: '~
STACK:
```

Appendix H – Hazard Risk Analyses Supplement to the Lowndes County Joint Hazard Mitigation Plan



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



TABLE OF CONTENTS

TABLE OF CONTENTS	2
Introduction	5
Risk Assessment Process Overview	5
County Inventory Changes	5
General Building Stock Updates	6
Essential Facility Updates	7
Assumptions and Exceptions	9
Hurricane Risk Assessment	10
Hazard Definition	10
Probabilistic Hurricane Scenario	13
Wind Damage Assessment	13
Wind-Related Building Damages	13
Essential Facility Losses	15
Shelter Requirements	15
Debris Generated from Hurricane Wind	16
Flood Risk Assessment	18
Hazard Definition	18
Riverine 1% Flood Scenario	18
Riverine 1% Flood Building Damages	19
Riverine 1% Flood Essential Facility Losses	21
Riverine 1% Flood Shelter Requirements	21
Riverine 1% Flood Debris	22
Tornado Risk Assessment	24
Hazard Definition	24
Hypothetical Tornado Scenario	25
EF3 Tornado Building Damages	27
EF3 Tornado Essential Facility Damage	28
Exceptions Report	29
Statewide Inventory Changes	29

County Inventory Changes	29
General Building Stock Updates	30
User Defined Facilities	31

List of Tables

Table 1: GBS Building Exposure Updates by Occupancy Class*	6
Table 2: Updated Essential Facilities	8
Table 3: Saffir-Simpson Hurricane Wind Scale	11
Table 4: Tropical Systems affecting Lowndes County	12
Table 5: Hurricane Wind Building Damage	14
Table 6: Wind-Damaged Essential Facility Losses	15
Table 7: Wind-Related Debris Weight (Tons)	16
Table 8: Lowndes County Riverine 1% Building Losses	19
Table 9: Enhanced Fujita Tornado Rating	24
Table 10: Tornado Path Widths and Damage Curves	25
Table 11: EF3 Tornado Zones and Damage Curves	26
Table 12: Estimated Building Losses by Occupancy Type	27
Table 13: Essential Facility Updates	29
Table 14: Building Inventory Default Adjustment Rates	30
Table 15: Building Count and Exposure for County and Riverine Flood Area	31

List of Figures

Figure 1: Lowndes County Overview	7
Figure 2: Continental United States Hurricane Strikes: 1950 to 2011	10
Figure 3: Wind Speeds by Storm Category	13
Figure 4: Hurricane Wind GBS Loss Ratios	14
Figure 5: Hurricane Sheltering Needs	16
Figure 6: Wind-Related Debris Weight (Tons)	17
Figure 7: Riverine 1% Flood Inundation	19
Figure 8: Potential UDF Loss Ratios from the 1% Riverine Flood	20
Figure 9: Damaged Buildings in 1% Riverine Flood	21
Figure 10: Estimated Flood Shelter Requirements in 1% Riverine Flood	22
Figure 11: Flood Debris Weight (Tons) in 1% Riverine Flood	23
Figure 12: EF Scale Tornado Zones	25

Figure 13: Hypothetical EF3 Tornado Path.....	26
Figure 14: Modeled EF3 Tornado Damage Buffers	27

Introduction

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

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

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

In 2015, the Georgia Department of Emergency Management partnered with The Polis Center (Polis) at Indiana University Purdue University-Indianapolis (IUPUI) to develop a detailed risk assessment focused on defining hurricane, riverine flood, and tornado in Lowndes County, Georgia. This assessment identifies the characteristics and potential consequences of the disaster, how much of the community could be affected by the disaster, and the impact on community assets.

Risk Assessment Process Overview

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

County Inventory Changes

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

General Building Stock Updates

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

The GBS records for Lowndes County were replaced with data derived from parcel and property assessment data obtained from Lowndes County. The county provided property assessment data was current as of April 2014 and the parcel data current as of June 2014. Records without improvements were deleted. The parcel boundaries were converted to parcel points located in the centroids of each parcel boundary; then, each parcel point was linked to an assessor record based upon matching parcel numbers. The parcel assessor match-rate for Lowndes County is 98.6%.

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

Table 1: GBS Building Exposure Updates by Occupancy Class*

Occupancy Classification	Default Count	Updated Count	Default Exposure	Updated Exposure
Agricultural	139	8	\$29,200,000	\$25,316,000
Commercial	2,469	2,504	\$1,646,792,000	\$1,851,009,000
Education	80	153	\$112,263,000	\$362,942,000
Government	60	85	\$48,743,000	\$100,561,000
Industrial	694	870	\$560,169,000	\$1,502,714,000
Religious	313	399	\$224,215,000	\$309,460,000
Residential	37,298	39,523	\$7,971,564,000	\$7,149,771,000
Total	41,053	43,542	\$10,592,946,000	\$11,301,773,000

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

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

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

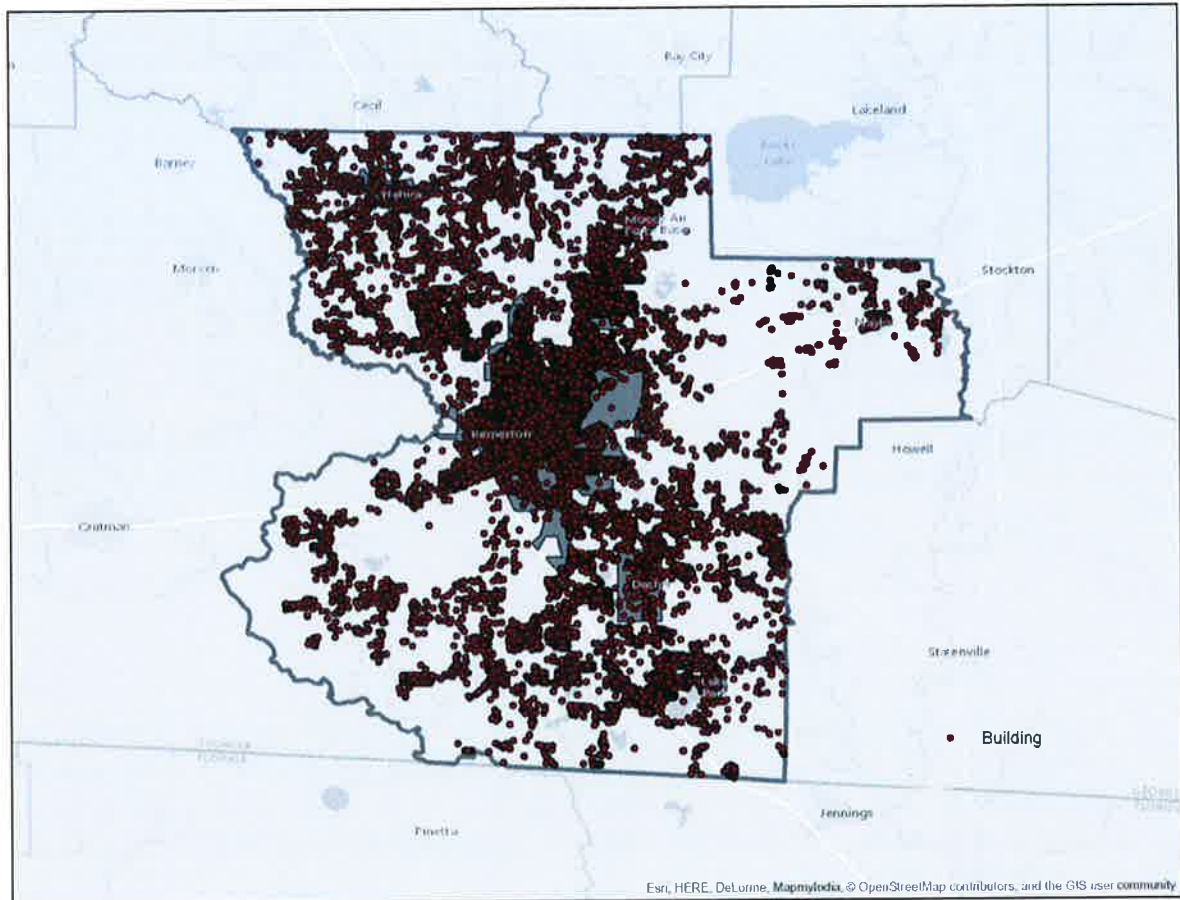


Figure 1: Lowndes County Overview

Essential Facility Updates

The default Hazus-MH essential facility data was updated to reflect improved information available in the Georgia Mitigation Information System (GMIS) as of June 2015. For these risk analyses, only GMIS data for buildings that Hazus-MH classified as Essential Facilities was integrated into Hazus-MH because the application provides specialized reports for these five types of facilities. Essential Facility inventory was updated for the analysis conducted for this report. The following table summarizes the counts and exposures, where available, by Essential Facility classification of the updated data for the five communities, as well as facilities located in the unincorporated portion of the county.

Essential facilities include:

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

Table 2: Updated Essential Facilities

Classification	Updated Count	Updated Exposure
Dasher		
EOC	0	\$0
Care	0	\$0
Fire	0	\$0
Police	0	\$0
School	1	\$124,000
Total	1	\$124,000
Hahira		
EOC	0	\$0
Care	0	\$0
Fire	1	\$100,000
Police	0	\$0
School	2	\$5,840,000
Total	3	\$5,940,000
Lake Park		
EOC	0	\$0
Care	0	\$0
Fire	1	\$101,000
Police	0	\$0
School	1	\$556,000
Total	2	\$657,000
Remerton		
EOC	0	\$0
Care	0	\$0
Fire	0	\$0
Police	0	\$0
School	0	\$0
Total	0	\$0
Valdosta		
EOC	1	\$880,000
Care	7	\$29,899,000
Fire	8	\$3,046,000
Police	3	\$6,012,000
School	96	\$541,511,912
Total	115	\$581,348,912

Unincorporated Lowndes County		
EOC	0	\$0
Care	1	\$9,799,000
Fire	17	\$2,481,000
Police	0	\$0
School	11	\$58,760,000
Total	29	\$61,040,000
County Total		
Total	150	\$659,109,912,000

Assumptions and Exceptions

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

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

The hazard models included in this risk assessment included:

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

Hurricane Risk Assessment

Hazard Definition

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



Figure 2: Continental United States Hurricane Strikes: 1950 to 2011³

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

³ Source: NOAA National Climatic Data Center

Hurricane intensities are measured using the Saffir-Simpson Hurricane Wind Scale (Table 3). This scale is a 1 to 5 categorization based on the hurricane's intensity at the indicated time.

Table 3: Saffir-Simpson Hurricane Wind Scale

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

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

The National Oceanic and Atmospheric Administration's National Hurricane Center created the HURDAT database, which contains all of the tracks of tropical systems since the mid-1800s. This database was used to document the number of tropical systems that have affected Lowndes County by creating a 20-mile buffer around the county to include storms that didn't make direct landfall in Lowndes County but impacted the county. Since 1851, Lowndes County has had 24 tropical systems within 20 miles of its county borders (Table 4).

Table 4: Tropical Systems affecting Lowndes County⁴

Year	Month	Day	Name	Wind (Knots)	Category
1852	October	10	Unnamed	92	CAT_1
1861	September	27	Unnamed	n/a	n/a
1868	October	4	Unnamed	57.5	TS
1873	September	19	Unnamed	69	TS
1877	September	20	Unnamed	46	TS
1878	October	11	Unnamed	46	TS
1885	August	31	Unnamed	46	TS
1888	September	9	Unnamed	57.5	TS
1902	June	15	Unnamed	51.75	TS
1907	June	29	Unnamed	51.75	TS
1924	September	29	Unnamed	63.25	TS
1924	September	16	Unnamed	51.75	TS
1926	July	29	Unnamed	57.5	TS
1933	September	6	Unnamed	57.5	TS
1935	September	5	Unnamed	86.25	CAT_1
1947	October	7	Unnamed	51.75	TS
1950	October	19	King	74.75	CAT_1
1957	June	9	Unnamed	40.25	TS
1966	June	10	Alma	69	TS
1987	August	16	Unnamed	17.25	TD
1995	August	26	Jerry	28.75	TD
2004	August	12	Bonnie	34.5	TD
2006	June	13	Alberto	40.25	TS
2012	May	29	Beryl	28.75	TD

Category Definitions:

TS – Tropical storm

TD – Tropical depression

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

E – Extra-tropical cyclone

⁴ Atlantic Oceanic and Meteorological Laboratory (2015). "Data Center." National Oceanic and Atmospheric Administration. http://www.aoml.noaa.gov/hrd/data_sub/re_anal.html. Retrieved 12-2-2015.

Probabilistic Hurricane Scenario

The following probabilistic wind damage risk assessment modeled a Category 1 storm with maximum winds of 83 mph.

Wind Damage Assessment

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

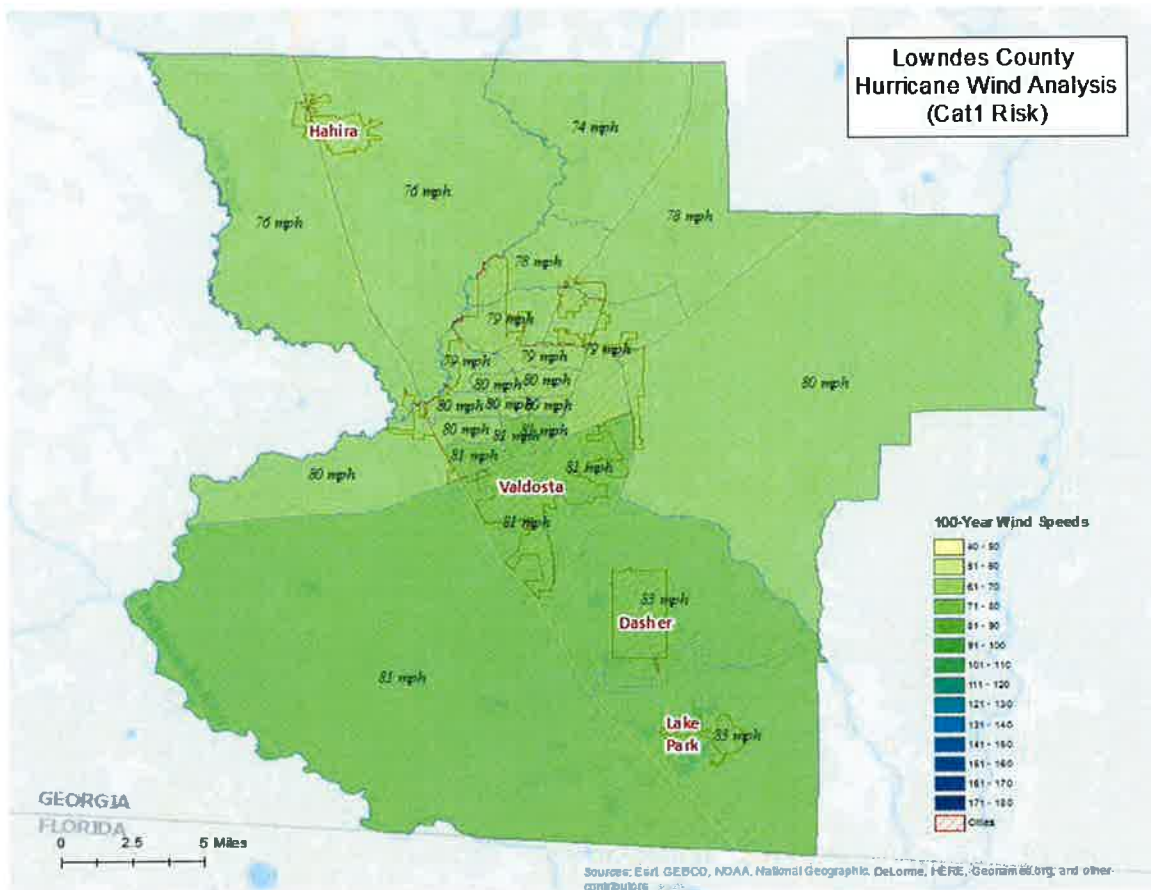


Figure 3: Wind Speeds by Storm Category

Wind-Related Building Damages

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

Note that wind damaged buildings are not reported by jurisdiction. This is due to the fact that census tract boundaries – upon which hurricane building losses are based – do not closely coincide with jurisdiction boundaries.

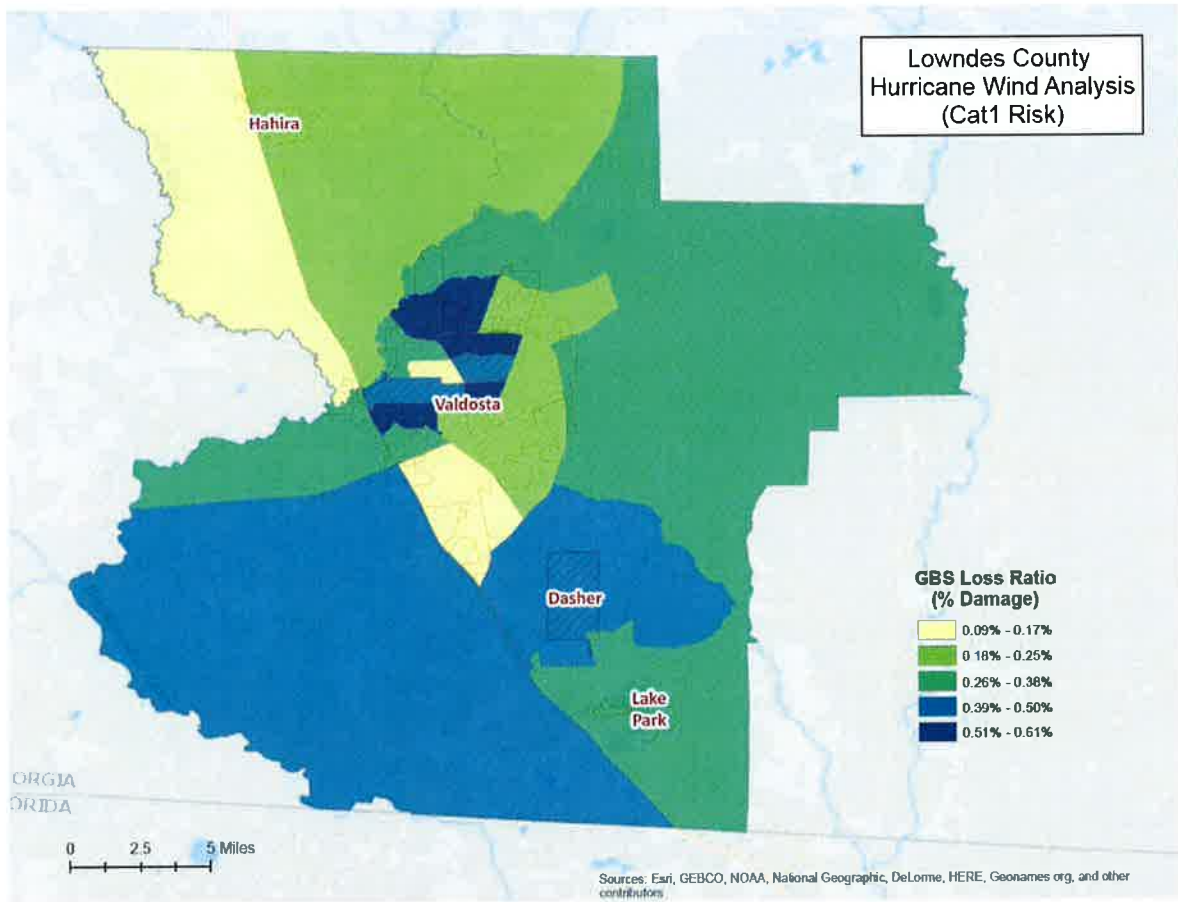


Figure 4: Hurricane Wind GBS Loss Ratios

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

Table 5: Hurricane Wind Building Damage

Storm Classification	Number of Damaged Buildings	Building Damages	Total Economic Loss	Loss Ratio
Category 1	746	\$4,869,622,000	\$5,309,539,000	0.4

Essential Facility Losses

Essential facilities are also vulnerable to storm events, and the potential loss of functionality may have significant consequences to the community. Hazus-MH identified the essential facilities that may be moderately or severely damaged by winds. The results are compiled in Table 6.

There are 133 essential facilities in Lowndes County.

Classification	Number
EOCs	1
Fire Stations	11
Care Facilities	3
Police Stations	7
Schools	111

Table 6: Wind-Damaged Essential Facility Losses

Storm Classification	Facilities Moderately Damaged (>50%)	Facilities Completely Damaged (>50%)	Facilities with expected loss (<1day)
Category 1	0	0	133

Shelter Requirements

Hazus-MH estimates the number of households evacuated from buildings with severe damage from high velocity winds as well as the number of people who will require short-term sheltering. The model estimates 33 households might be displaced due to flooding. Displacement includes households evacuated within, or very near, the inundation area. These displaced households represent 10 individuals who may require short term sheltering. Figure 5 on the following page depicts the shelter requirements resulting from the Hazus-MH analysis.

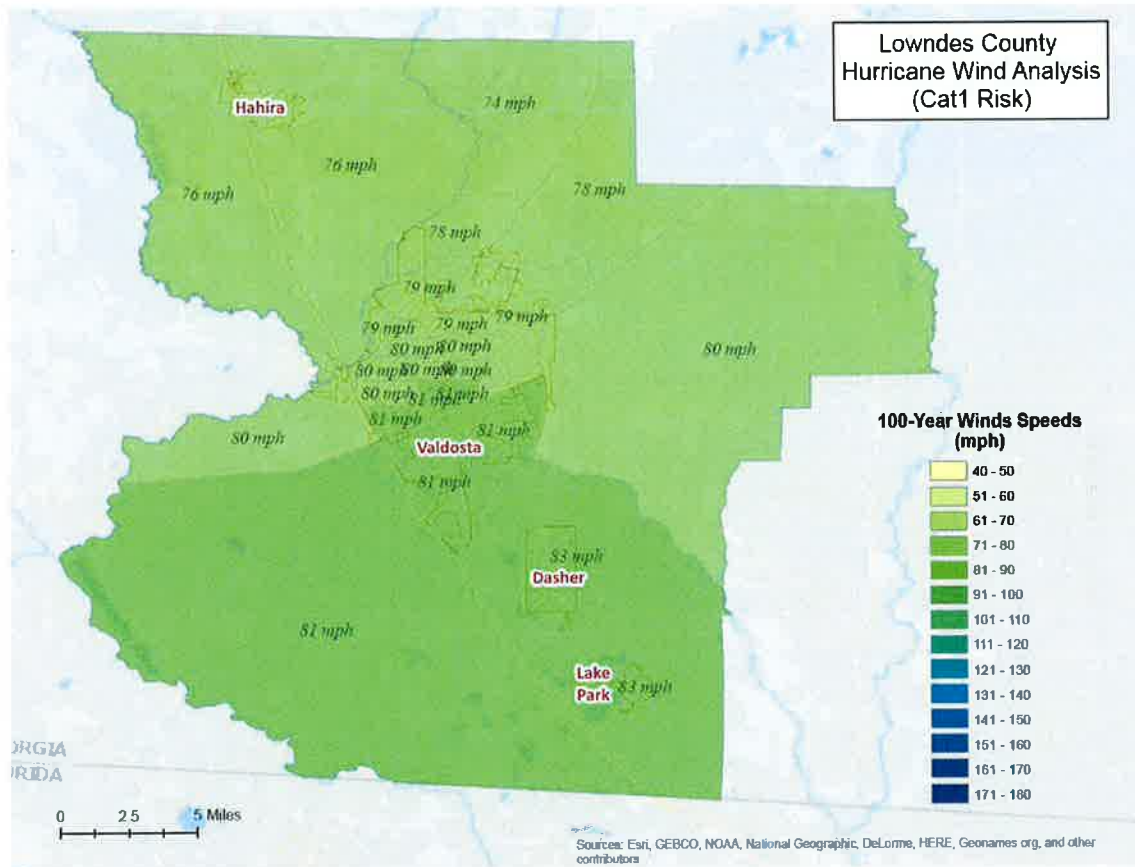


Figure 5: Hurricane Sheltering Needs

Debris Generated from Hurricane Wind

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

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

Different material handling equipment is required for each category of debris. The estimates of debris for this scenario are listed in Table 7. The amount of hurricane wind related tree debris that is estimated to require pick up at the public's expense is listed in the eligible tree debris column.

Table 7: Wind-Related Debris Weight (Tons)

Storm Classification	Brick, Wood, and Other	Reinforced Concrete/Steel	Tree Debris	Other Tree Debris	Total
Category 1	5,989	0	8,262	84,737	98,988

Figure 6 shows the distribution of all wind related debris resulting from a Category 1 hurricane. Each dot represents 100 tons of debris within the census tract in which it is located. The dots are randomly distributed within each census tract and therefore do not represent the specific location of debris sites.

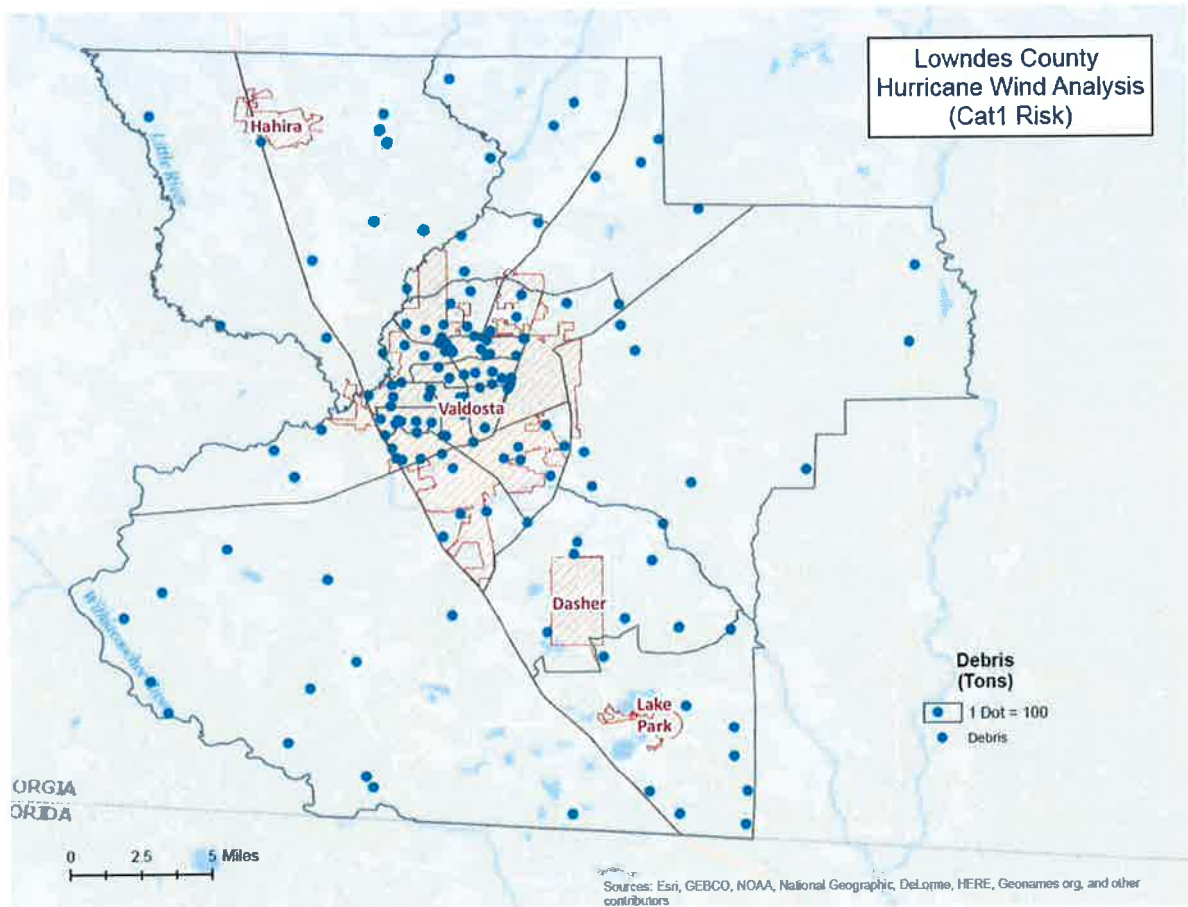


Figure 6: Wind-Related Debris Weight (Tons)

Flood Risk Assessment

Hazard Definition

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

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

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

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

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

The following probabilistic risk assessment involves an analysis of a 1% annual chance riverine flood event (100-Year Flood).

Riverine 1% Flood Scenario

Riverine losses were determined from the 1% flood boundaries downloaded from the FEMA Flood Map Service Center in October 2015. The flood boundaries were overlaid with the USGS 10 meter DEM using

the Hazus-MH Enhanced Quick Look tool to generate riverine depth grids. The riverine flood depth grid was then imported into Hazus-MH to calculate the riverine flood loss estimates. Figure 7 illustrates the riverine inundation boundary associated with the 1% annual chance.

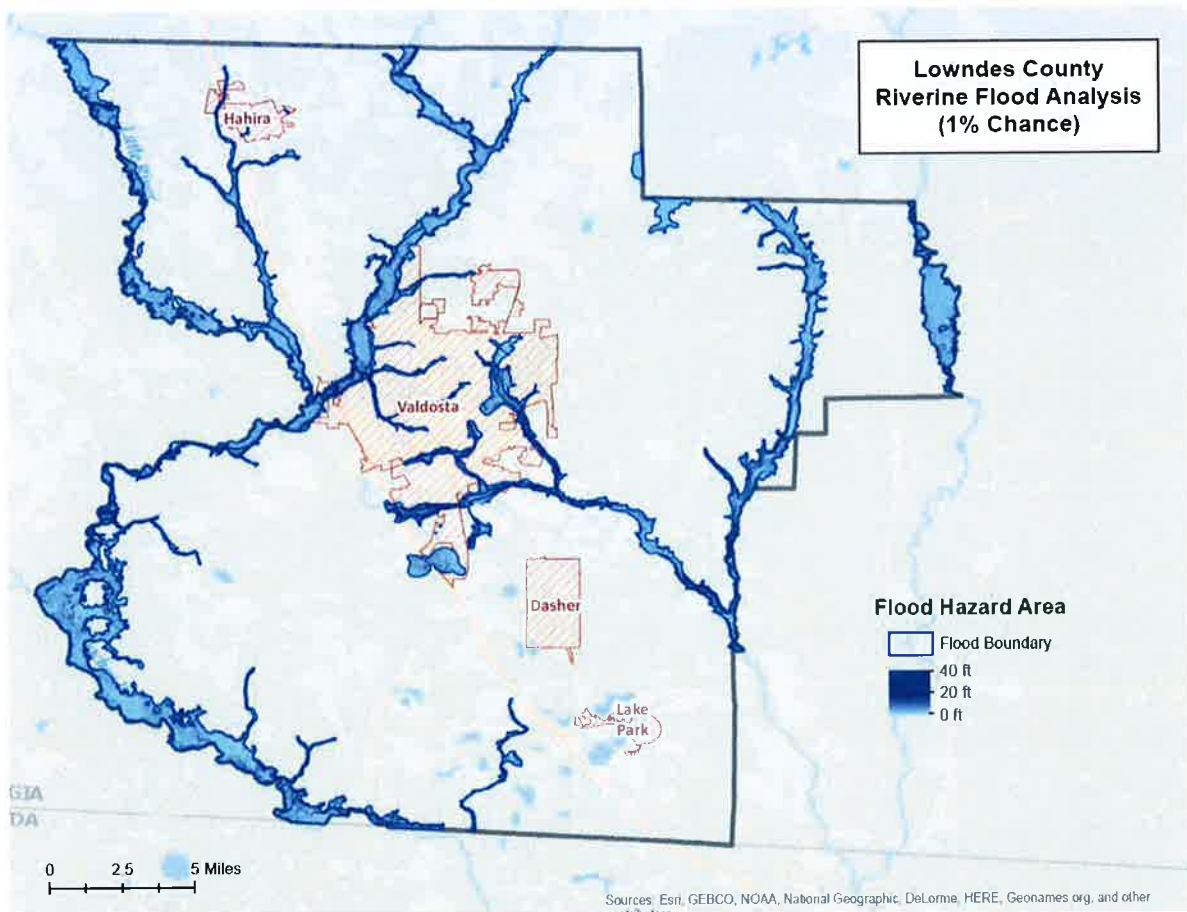


Figure 7: Riverine 1% Flood Inundation

Riverine 1% Flood Building Damages

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

Table 8: Lowndes County Riverine 1% Building Losses

Occupancy Classification	Total Buildings	Total Buildings Damaged	Total Building Exposure	Total Losses to Buildings	Loss Ratio of Exposed to Damaged
Hahira					
Residential	1,058	5	\$179,731,088	\$175,105	0.10%
Valdosta					

Residential	17,153	264	\$4,143,121,038	\$20,313,495	0.49%
Commercial	1,859	70	\$1,446,976,632	\$6,057,720	0.42%
Religious	198	12	\$173,932,133	\$427,903	0.25%
Education	94	5	\$228,265,866	\$3,832,657	1.68%
Government	46	1	\$66,085,270	\$64,779	0.10%
Industrial	590	39	\$1,131,560,682	\$21,101,521	1.86%
Unincorporated					
Residential	20,612	112	\$2,733,725,604	\$3,409,535	0.12%
Commercial	503	5	\$343,529,371	\$211,017	0.06%
Religious	159	4	\$105,502,169	\$497,862	0.47%
County Total					
Totals	42,272	517	\$10,552,429,854	\$56,091,594	

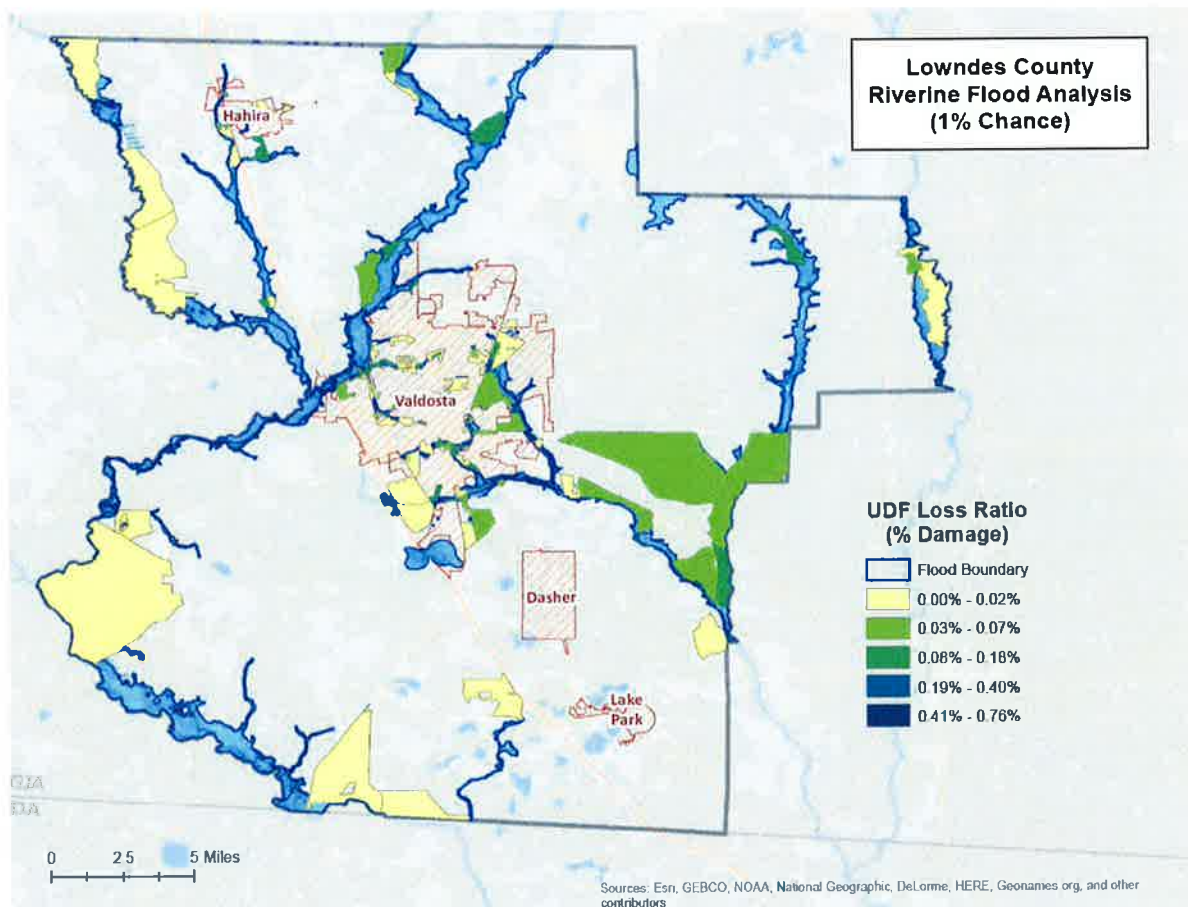


Figure 8: Potential UDF Loss Ratios from the 1% Riverine Flood

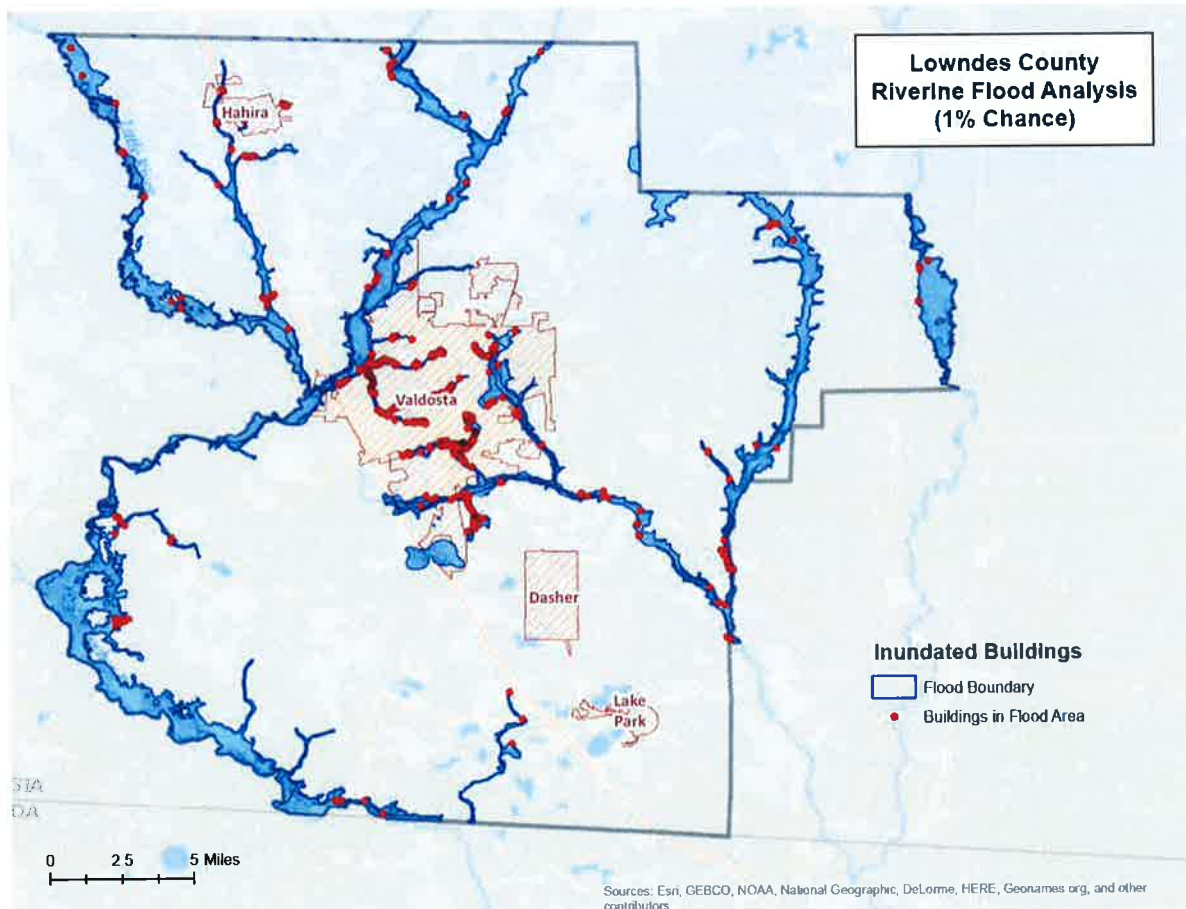


Figure 9: Damaged Buildings in 1% Riverine Flood

Riverine 1% Flood Essential Facility Losses

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

Riverine 1% Flood Shelter Requirements

Hazus-MH estimates that the number of households that are expected to be displaced from their homes due to riverine flooding and the associated potential evacuation. The model estimates 1,710 households might be displaced due to the flood. Displacement includes households evacuated within or very near to the inundated area. Displaced households represent 3,457 individuals which may require short term publicly provided shelter. The results are mapped in Figure 10.

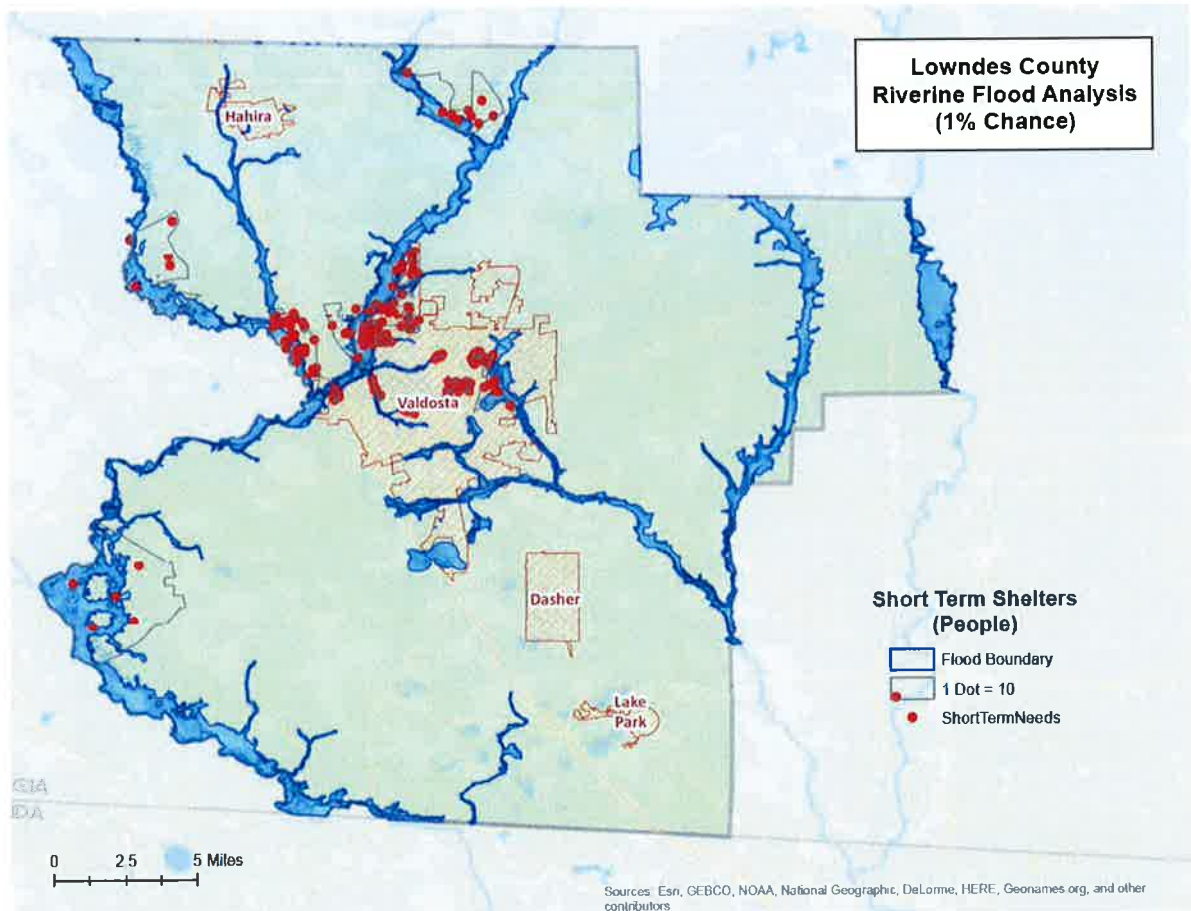


Figure 10: Estimated Flood Shelter Requirements in 1% Riverine Flood

Riverine 1% Flood Debris

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

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

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

The analysis estimates that an approximate total of 8,455 tons of debris might be generated: 1) Finishes- 3,974 tons; 2) Structural – 2,144 tons; and 3) Foundations- 2,326 tons. The results are mapped in Figure 11.

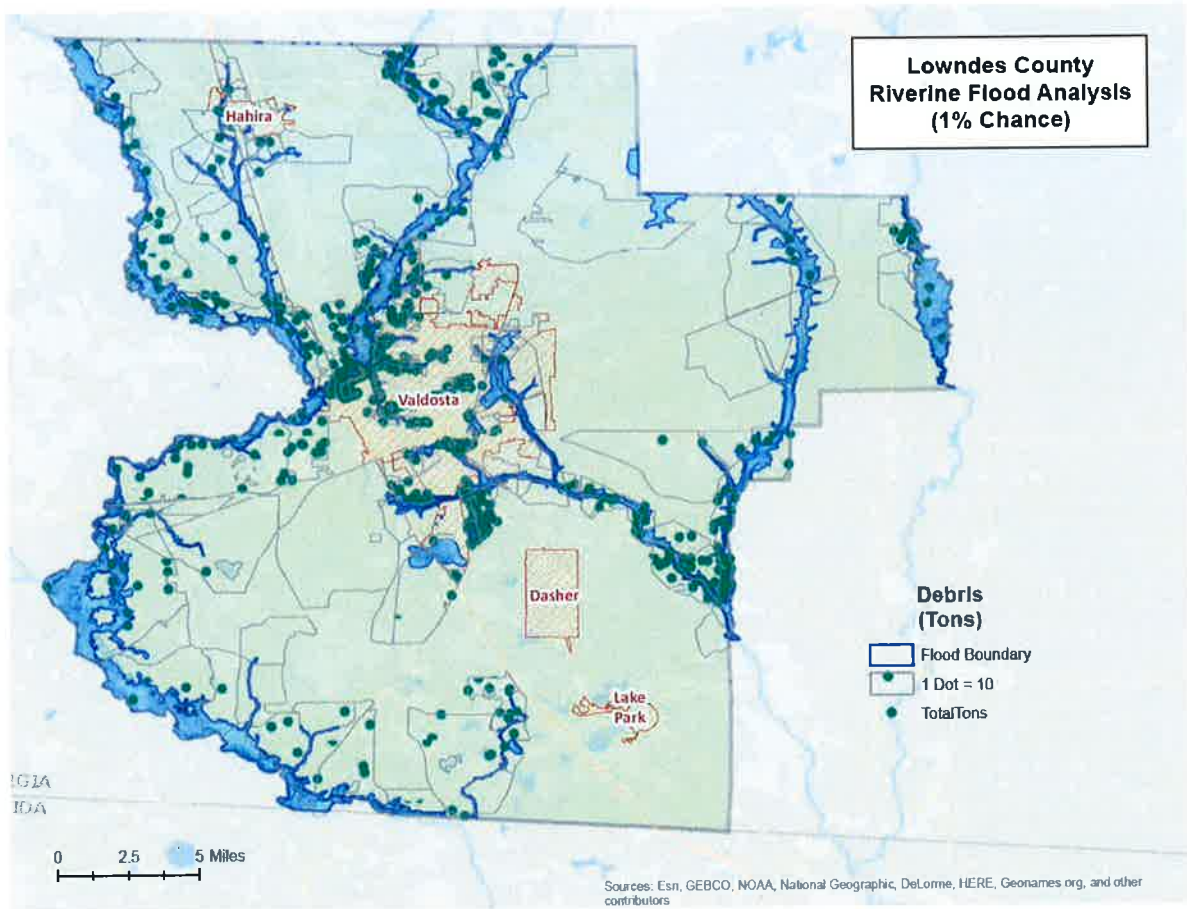


Figure 11: Flood Debris Weight (Tons) in 1% Riverine Flood

Tornado Risk Assessment

Hazard Definition

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

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

Tornadoes are classified according to the Fujita tornado intensity scale. Originally introduced in 1971, the scale was modified in 2006 to better define the damage and estimated wind scale. The Enhanced Fujita Scale ranges from low intensity EF0 with effective wind speeds of 65 to 85 miles per hour, to EF5 tornadoes with effective wind speeds of over 200 miles per hour. The Enhanced Fujita intensity scale is included in Table 9.

Table 9: Enhanced Fujita Tornado Rating

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

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

Hypothetical Tornado Scenario

For this report, an EF3 tornado was modeled to illustrate the potential impacts of tornadoes of this magnitude in the county. The analysis used a hypothetical path based upon an EF3 tornado event running along the predominant direction of historical tornadoes. The tornado path was placed to travel through Lowndes County, north of Valdosta. The selected widths were modeled after a re-creation of the Fujita-Scale guidelines based on conceptual wind speeds, path widths, and path lengths. There is no guarantee that every tornado will fit exactly into one of these categories. Table 10 depicts tornado path widths and expected damage.

Table 10: Tornado Path Widths and Damage Curves

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

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

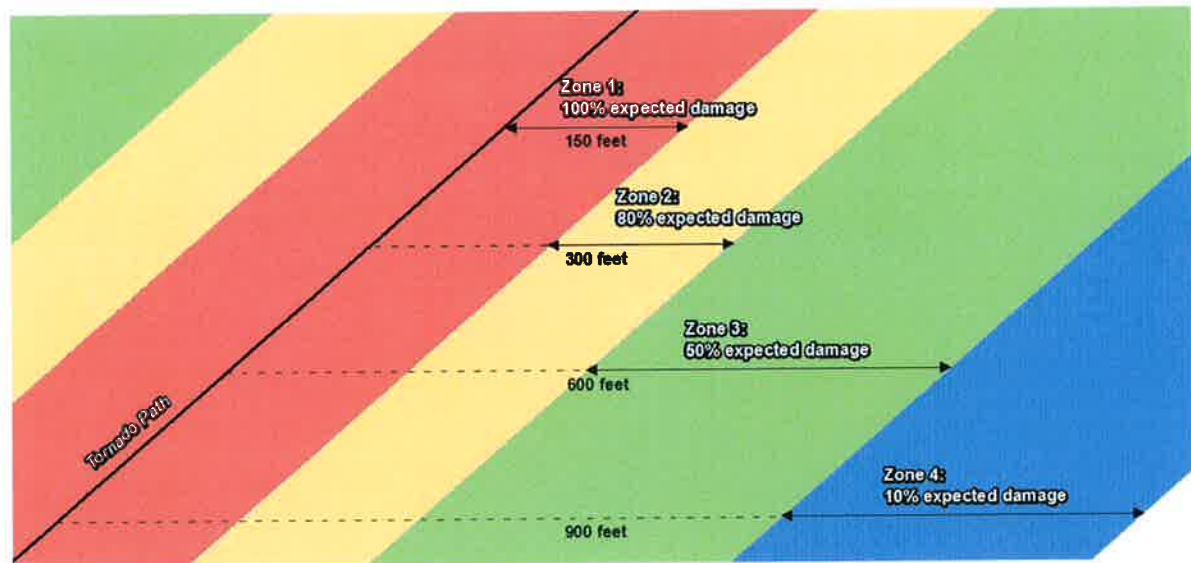


Figure 12: EF Scale Tornado Zones

An EF3 tornado has four damage zones, depicted in Table 11. Major damage is estimated within 150 feet of the tornado path. The outer buffer is 900 feet from the tornado path, within which buildings will not experience any damage. The selected hypothetical tornado path is depicted in Figure 13 and the damage curve buffer zones are shown in Figure 14.

Table 11: EF3 Tornado Zones and Damage Curves

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

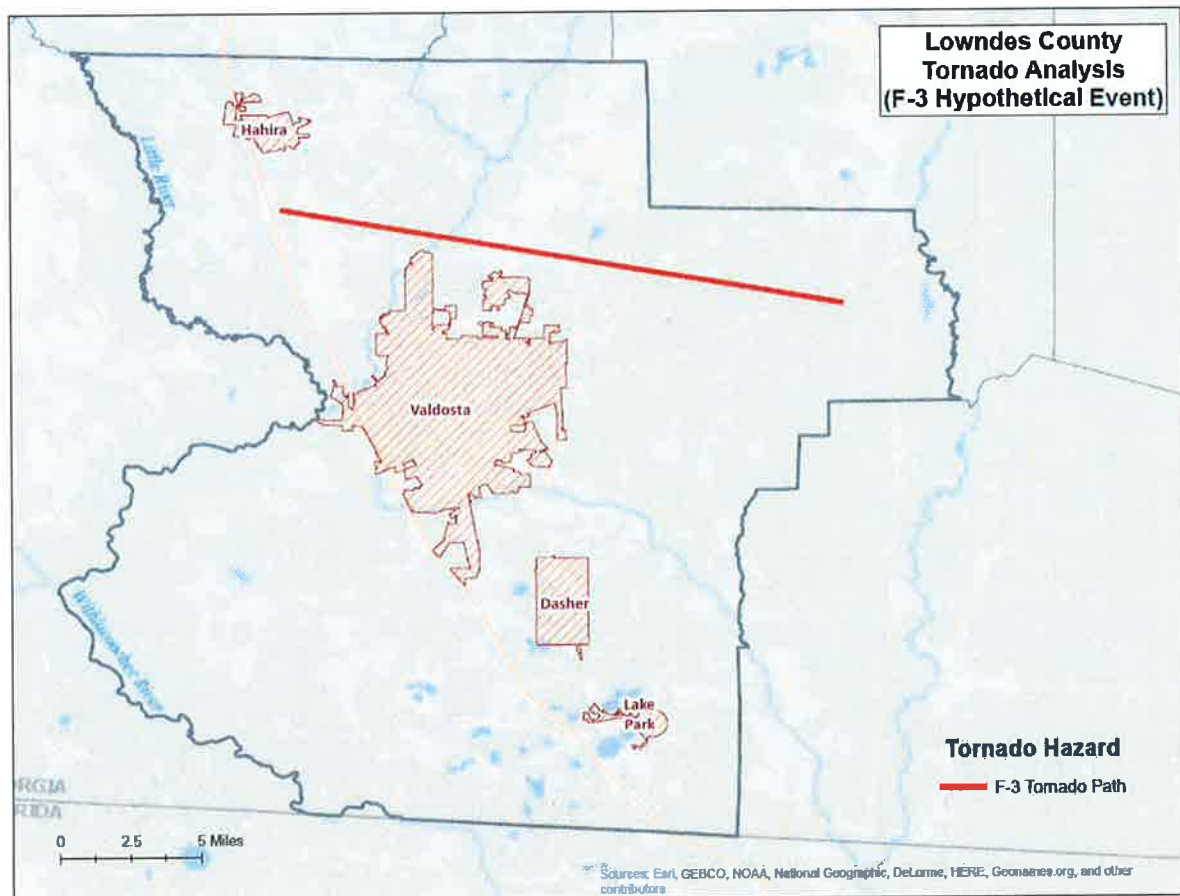


Figure 13: Hypothetical EF3 Tornado Path

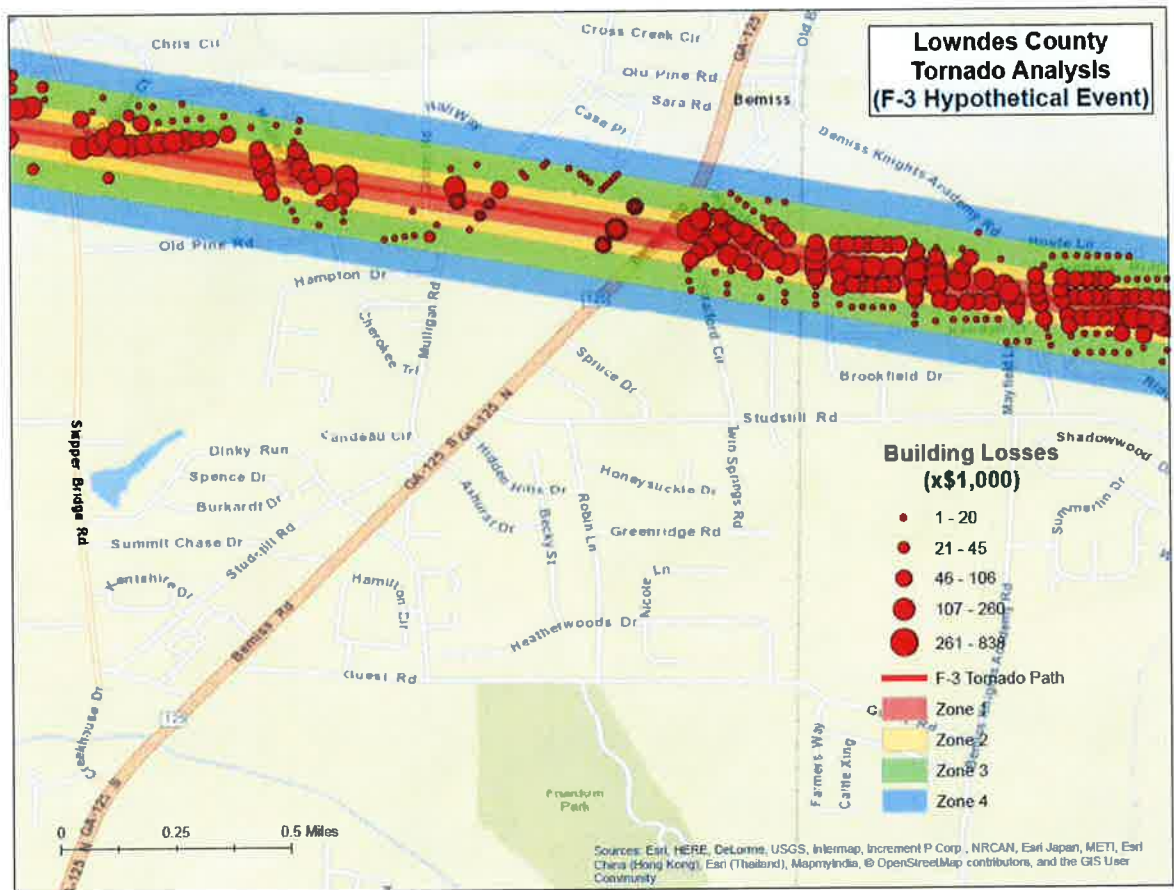


Figure 14: Modeled EF3 Tornado Damage Buffers

EF3 Tornado Building Damages

The analysis estimated that approximately 356 buildings could be damaged, with estimated building losses of \$20.6 million. The building losses are an estimate of building replacement costs multiplied by the percentages of damage. The overlay was performed against parcels provided by Lowndes County that were joined with Assessor records showing estimated property replacement costs. The Assessor records often do not distinguish parcels by occupancy class if the parcels are not taxable and thus the number of buildings and replacement costs may be underestimated. The results of the analysis are depicted in Table 12.

Table 12: Estimated Building Losses by Occupancy Type

Occupancy Classification	Buildings Damaged	Building Losses
Residential	349	\$19,064,201
Commercial	6	\$1,302,193
Industrial	1	\$259,723
Total	356	\$20,626,117

Note: Totals may not add due to rounding

EF3 Tornado Essential Facility Damage

According to the modeling, there were no essential facilities located in the hypothetical tornado path.

Exceptions Report

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

Reported losses reflect the updated data sets. Steps, algorithms and assumptions used during the data update process are documented in the project workflow named PDM_GA_Workflow.doc.

Statewide Inventory Changes

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

Statewide facility data were supplied by GEMA through the GMIS in June 2015. These updates were applied by The Polis Center. Table 13 summarizes the difference between the original Hazus-MH default data and the updated data for Lowndes County.

Table 13: Essential Facility Updates

Occupancy Classification	Default Replacement Cost	Default Count	Updated Replacement Cost	Updated Count
Care	\$92,835,985	3	\$39,698,000	8
EOC	\$880,000	1	\$880,000	1
Fire	\$0	11	\$5,728,000	27
Police	\$8,624,000	7	\$6,012,000	3
School	\$307,166,721	33	\$659,109,912	111

County Inventory Changes

The GBS records for Lowndes County were replaced with data derived from parcel and property assessment data obtained from Lowndes County. The county provided property assessment data was current as of April 2014 and the parcel data current as of June 2014.

General Building Stock Updates

The parcel boundaries and assessor records were provided to The Polis Center by the University of Georgia, Carl Vinson Institute of Government who obtained them from Lowndes County. Records without improvements were deleted. The parcel boundaries were converted to parcel points located in the centroids of each parcel boundary. Each parcel point was linked to an assessor record based upon matching parcel numbers. The generated Building Inventory represents the approximate locations (within a parcel) of building exposure. The Building Inventory was aggregated by Census Block and imported into Hazus-MH using the Hazus-MH Comprehensive Data Management System (CDMS). Both the 2010 Census Tract and Census Block tables were updated.

The match between parcel records and assessor records was based upon a common Parcel ID. For this type of project, unless the hit rate is better than 85%, the records are not used to update the default aggregate inventory in Hazus-MH. The Parcel-Assessor hit rate for Lowndes County was 98.6%.

Adjustments were made to records when primary fields did not have a value. In these cases, default values were applied to the fields. Table 14 outlines the adjustments made to Lowndes County records.

Table 14: Building Inventory Default Adjustment Rates

Type of Adjustment	Building Count	Percentage
Area Unknown	850	10%
Construction Unknown	3,319	38%
Condition Unknown	858	10%
Foundation Unknown	955	11%
Year Built Unknown	346	4%

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

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

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

User Defined Facilities

Local parcel and CAMA data were used to develop points representing the locations of buildings in the county, referred to as User Defined Facilities (UDF) in the Hazus model. For the flood model, this includes only buildings located in the 1% Annual Chance Riverine Flood Area. Table 15 identifies the total building count & exposure for the county and the total building count & exposure for buildings located in the 1% Annual Chance Riverine Flood Area.

Table 15: Building Count and Exposure for County and Riverine Flood Area

Feature	Counts	Exposure
Total buildings in the County	43,542	\$11,301,987,310
Total buildings inside the 1% Annual Chance Riverine Flood Area	868	\$414,462,690

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

Assumptions

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