

APPENDIX A

**HAZARD IDENTIFICATION,
RISK ASSESSMENT
AND
VULNERABILITY**

FLOOD

Flood plains are relatively flat lands that border streams and rivers that are normally dry, but are covered with water during floods. The severity of a flood is usually measured in terms of depth of flooding. Flooding occurs when the volume of water exceeds the ability of a water body (stream, river, or lake) to contain it within its normal banks. Floodplains serve three major purposes: Natural water storage and conveyance, water quality maintenance, and groundwater recharge. These three purposes are greatly inhibited when floodplains are misused or abused through improper and unsuitable land development. For example, if floodplains are filled in order to construct a building, then valuable water storage areas and recharge areas are lost. This causes unnecessary flooding in previously dry areas and can damage buildings or other structures.

The susceptibility of a stream to flooding is dependent upon several different variables. Among these are topography, ground saturation, rainfall intensity and duration, soil types, drainage, drainage patterns of streams, and vegetative cover. A large amount of rainfall over a short time period can result in flash flood conditions. A small amount of rain can also result in floods in locations where the soil is saturated from a previous wet period or if the rain is concentrated in an area of impermeable surfaces such as large parking lots, paved roadways, etc. Topography and ground cover are contributing factors for floods in that water runoff is greater in areas with steep slopes and little or no vegetation.

Severe flooding within Hancock County is a relatively infrequent event. The county has one lake, 45 rivers/streams and 14 reservoirs. There have been three flooding events recorded in the last 69 years. These events resulted in school closings and roads washing out. The hazard frequency table calculates a 10 percent chance of an annual flooding event. Severe flooding, although relatively rare in occurrence, has the potential to inflict significant damage in Hancock County. Mitigation of flood damage requires the community to know where flood prone areas are, what roads and bridges may be affected, and which facilities fall below anticipated flood levels.

The magnitude of a major flood event could have approximately 25 percent of the county experiencing some damage from flooding. Based on a 20-year hazard cycle the chance of an annual flooding event occurring is:

- 10 percent for all of Hancock County;
- 10 percent for unincorporated areas of Hancock County; and
- 10 percent for Sparta

Based on tax data, parcel and flood maps, all or a portion of 63 known structures/properties valued at approximately \$4.4 million and a population of 191 are located in known floodplains.

Critical Facilities by Flood Hazard Score

Jurisdiction	Name	Hazard Score	Value	Replacement Value Year	Building size	Content value	Valuation Year	Functional Use value	Facility type	Risk	Daytime Occupancy	Nighttime Occupancy
Hancock County	Betty Hill Senior Citizen Center	0	582923	2014	2500		2014		0 Government, Water/Sewer	Vulnerable Population	25	
Hancock County	Hancock Central High	0	800000	2014	25000		2014		0 Education, K - 12	Vulnerable Population	455	
Hancock County	Hancock County Courthouse	0	8096000	2018	40000	1000000	2018		0 Law Enforcement, Law Enforcement, Court House, Court House	Essential, High Potential Loss, Historic Consideration	18	
Hancock County	Hancock County EMS	0	50000	2014	3000		2014		0 Government, Water/Sewer	Essential, Lifeline	4	2
Hancock County	Hancock County Fire Station	0	966215	2014	2000	9000000	2014		0 Emergency Services, Fire Fighters	Essential	1	
Hancock County	Hancock County Fire Station #2	0	75000	2014	2400	250000	2014		0 Emergency Services, Fire Fighters	Essential	0	
Hancock County	Hancock County Health Department	0	818284	2014	6360	10977	2014		0 Government, Water/Sewer	Essential, Lifeline	60	
Hancock County	Hancock County Library	0	1478909	2014	7575	907608	2014		0 Education, Library	Important	65	
Hancock County	Hancock County Magistrate	0	800000	2014	8000		2014		0 Law Enforcement, Court House	Important	9	
Hancock County	Hancock County Service Center	0	394963	2014	2500		2014		0 Education, VoTech	Important, Vulnerable Population	25	
Hancock County	Hancock County Sheriff's Office	0	4406220	2014	2500		2014		0 Law Enforcement, Sheriff	Essential	2	1

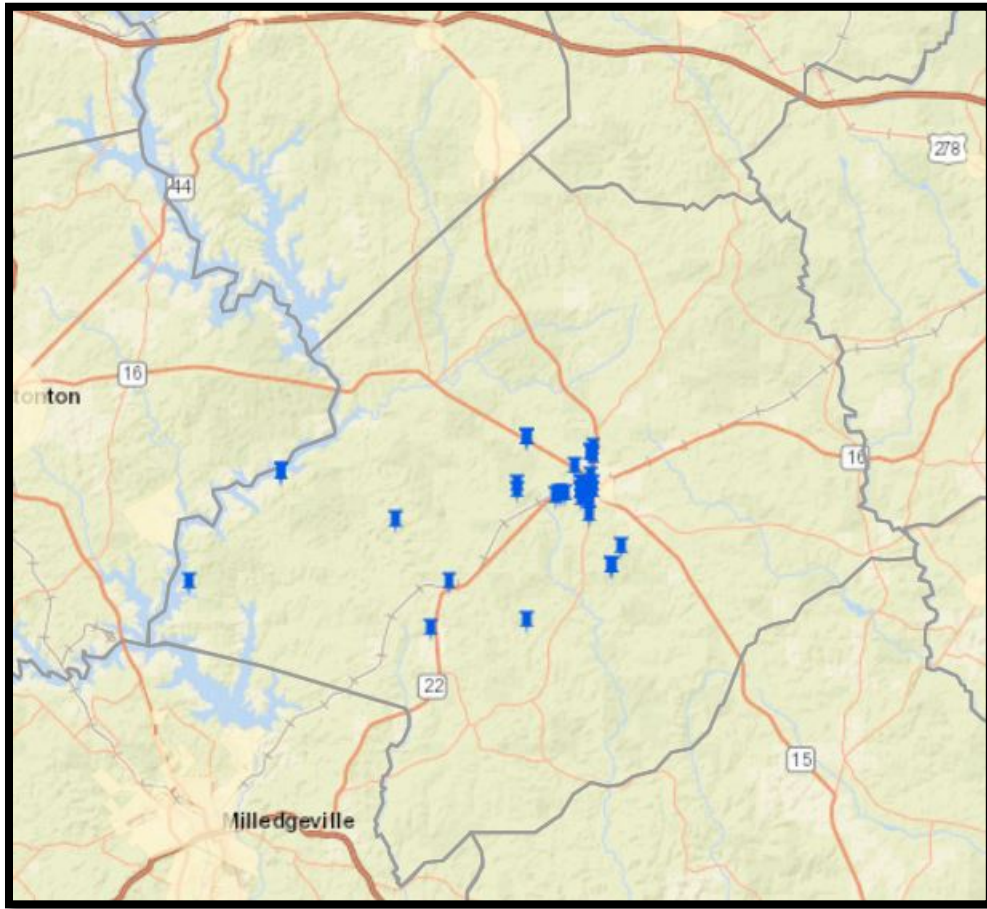
Critical Facilities by Flood Hazard Score

Jurisdiction	Name	Hazard Score	Value	Replacement Value Year	Building size	Content value	Valuation Year	Functional Use value	Facility type	Risk	Daytime Occupancy	Nighttime Occupancy
Hancock County	Hancock State Prison	0	1500000	2014	35000		2014	0	Law Enforcement, State Patrol	Vulnerable Population	1595	1575
Hancock County	Hancock County Development Authority	0	1137489	2014	2500		2014	0	Law Enforcement, State Patrol	Important	3	
Hancock County	Holiday Shores 5-1	0	35000	2013	1200	3000	2013	0	Emergency Services, Fire Fighters	Essential		
Hancock County	Holiday Shores 5-2	0	108364	2013	3000	9050	2013	0	Emergency Services, Fire Fighters	Essential		
Hancock County	John Hancock Academy	0	200000	2014	1200		2014	0	Education, Private	Vulnerable Population	75	
Hancock County	M.e. Lewis Elementary School	0	450000	2014	30000		2014	0	NGO, Water/Sewer	Essential, Vulnerable Population		
Hancock County	Sandersville Technical School	0	2500000	2014	15200		2014	0	Education, VoTech	Important	60	60
Hancock County	Southwest Elementary School	0	450000	2014	30000		2014	0	NGO, Water/Sewer	Essential, Vulnerable Population	642	
Hancock County	Tax Commissioner	0	500000	2014	10000	30000	2014	0	Law Enforcement, State Patrol	Important	10	
Hancock County	Tri-County Health Systems	0	185000	2014	3100	80000	2014	0	Education, VoTech	Essential	15	
Sparta city	Providence Nursing Home	0	656120	2014	12000		2014	0	Government, Water/Sewer	Vulnerable Population	65	45
Sparta city	Robert L Morgan	0	450000	2008	2800		2008	0	Education, VoTech	Essential, Lifeline	15	
Sparta city	Sparta City Hall	0	30000	2014	15000		2014	0	Government, Private	Essential	2	

Critical Facilities by Flood Hazard Score

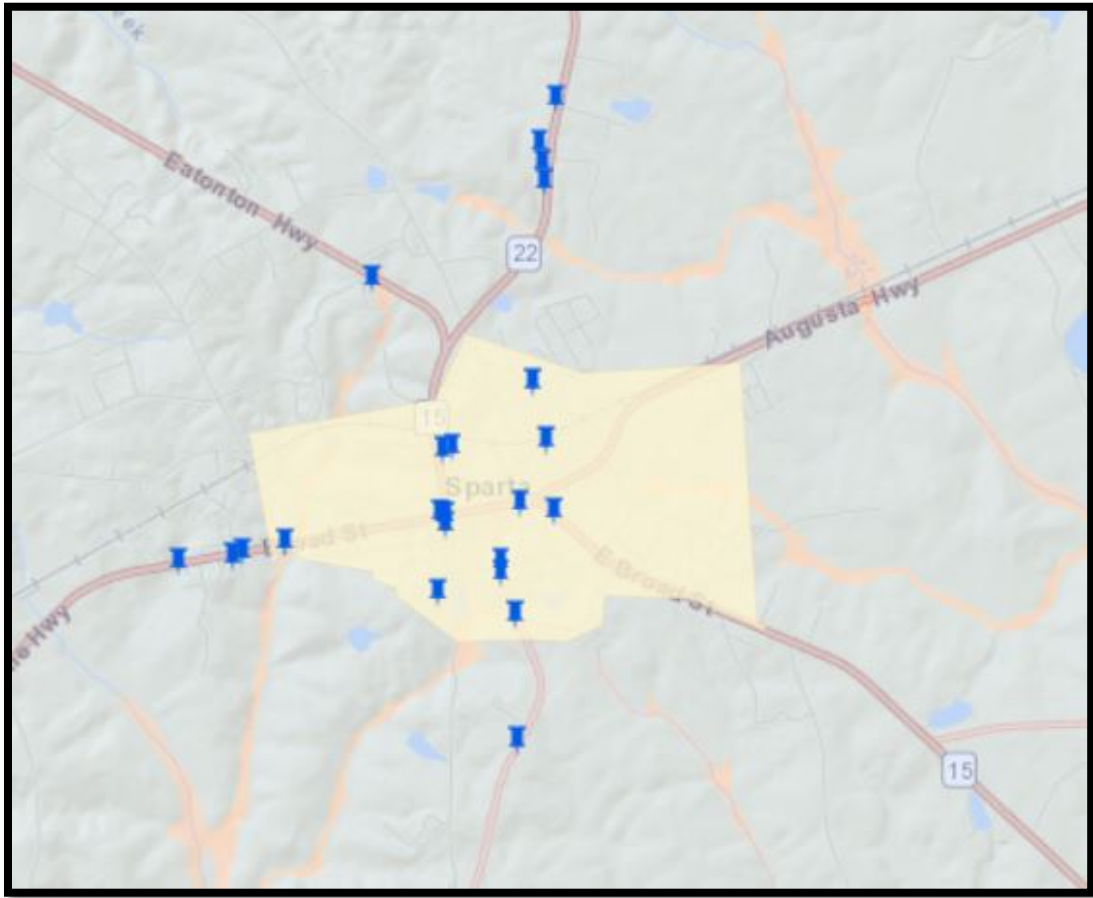
Jurisdiction	Name	Hazard Score	Value	Replacement Value Year	Building size	Content value	Valuation Year	Functional Use value	Facility type	Risk	Daytime Occupancy	Nighttime Occupancy
Sparta city	Sparta Fresh Water Treatment Plant	0	750000	2014	2000		2014		0 Government, Water/Sewer	Essential	1	
Sparta city	Sparta Health Care	0	550000	2014	10000		2014		0 Government, Water/Sewer	Essential, Lifeline	25	
Sparta city	Sparta Lift Station 1	0	100000	2014	100		2014		0 Government, Water/Sewer	Essential, Lifeline		
Sparta city	Sparta Lift Station 2	0	100000	2014	100		2014		0 Government, Water/Sewer	Essential, Lifeline		
Sparta city	Sparta Lift Station 3	0	100000	2014	100		2014		0 Government, Water/Sewer	Essential, Lifeline		
Sparta city	Sparta Lift Station 4	0	100000	2014	100		2014		0 Government, Water/Sewer	Essential, Lifeline		
Sparta city	Sparta Pumping Station	0	250000	2014	1000		2014		0 Government, Water/Sewer	Essential, Lifeline		
Sparta city	Sparta Waste Pond	0	250000	2014	1000		2014		0 Government, Water/Sewer	Essential, Lifeline		
Sparta city	Sparta Waste Stabilization Pond	0	500000	2014	2000		2014		0 Government, Water/Sewer	Essential		
Sparta city	Sparta WPCP	0	300000	2014	2000		2014		0 Government, Water/Sewer	Essential, Lifeline		
Sparta city	Water Tower	0	250000	2014	100		2014		0 Government, Water/Sewer	Essential, Lifeline	0	
Sparta city	Water Tower	0	250000	2014	100		2014		0 Government, Water/Sewer	Essential, Lifeline	0	
Sparta city	Water Tower	0	250000	2014	100		2014		0 Government, Water/Sewer	Essential, Lifeline		
			30420487		281535	11290635			0		3172	1683

Hancock County Flood Plains Georgia Mitigation Information System



Score	Original Value	Description
4	Floodway	Floodway (within zone AE)
	V	1% with Velocity no Base Flood Elevation (BFE)
	VE	1% with Velocity BFE
3	A	1% Annual Chance no BFE
	A99	1% Federal flood protection system
	AE	1% has BFE
	AH	1% Ponding has BFE
	AO	1% Sheet Flow has depths
	AR	1% Federal flood protection system
2	X500	0.2% Annual Chance
1	ANI	Area not included in survey
	D	Undetermined but possible
0	UNDES	Undesignated
	X	Outside Flood Zones

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Dam Failures

Dam failures and incidents involve unintended release or surges of impounded water. They can destroy property and cause injury and death downstream. While they may involve the total collapse of a dam, that is not always the case. Damaged spillways, overtopping of a dam or other problems may result in a hazardous situation. Dam failures may be caused by structural deficiencies in the dam itself. Dam failures may also come from other factors including but not limited to debris blocking spillways, flooding, earthquakes, improper operation and vandalism. Dam failures are potentially the worst flood events. When a dam fails, a large quantity of water is suddenly released downstream, destroying anything in its path and posing a threat to life and property.

Dams are classified into three categories:

- High Hazard – Dams where failure or disoperation will probably cause loss of human life.
- Significant Hazard – Dams where failure or disoperation will probably not result in loss of life, but can cause economic loss, environmental damage, and disruption of lifeline facilities or other concerns.
- Low Hazard – Dams where failure or disoperation will probably not result in loss of life and cause only low economic and/or environmental loss.

Dam failures and incidents involve unintended release or surges of impounded water. They can destroy property and cause injury and death downstream. While they may involve total collapse of a dam, that is not always the case. There have been no known dam failures events in the last 69 years. The committee deemed it important to address since there are 15 dams located in the county. The committee recognized the potential for losses caused by dam failure and identified it as a hazard requiring mitigation measures. To summarize, there are approximately 28,230 structures/properties in the county totaling more than \$1 billion with a population of 9,429.

Name	Jurisdiction	Address	Facility/Types	Risk	Occupancy	Area	Building Value	Valuation Year	Content value	Contents Value/Year	Functional Value	Daytime Occupancy	Nighttime Occupancy
Betty Hill Senior Citizen Center	Hancock County	330 Water Works Road	Government, Water/Sewer	Vulnerable Population	Government - General Services	2500	582923	2014			0	25	
Hancock Central High	Hancock County	Hwy. 15	Education, K - 12 Law Enforcement, Law Enforcement, Court House, Court House	Vulnerable Population Essential, High Potential Loss, Historic Consideration	Grade Schools and Admin. Offices	25000	800000	2014			0	455	
Hancock County Courthouse	Hancock County	Courthouse Square, Broad St			Government - General Services	40000	8096000	2018	1000000		0	18	
Hancock County EMS	Hancock County	656 Linton Road	Government, Water/Sewer	Essential, Lifeline	Government - Emergency Response	3000	50000	2014			0	4	2
Hancock County Fire Station #2	Hancock County	4029 Lake Sinclair Drive	Emergency Services, Fire Fighters	Essential	Government - Emergency Response	2000	966215	2014	9000000	2008	0	1	
Hancock County Fire Station	Hancock County	52 Spring Street	Emergency Services, Fire Fighters	Essential	Government - Emergency Response	2400	75000	2014	250000		0	0	
Hancock County Health	Hancock County	516 Boland Street	Government, Water/Sewer	Essential, Lifeline	Medical Office and Clinic	6360	818284	2014	10977	2008	0	60	
Hancock County Library	Hancock County	8984 E. Broad Street	Education, Library	Important	Government - General Services	7575	1478909	2014	907608	2008	0	65	
Hancock County Magistrate	Hancock County	Courthouse Square	Law Enforcement, Court House	Important	Government - General Services	8000	800000	2014			0	9	
Hancock County Service Center	Hancock County	75 Boland Circle	Education, VoTech	Important, Vulnerable Population	Medical Office and Clinic	2500	394963	2014			0	25	
Hancock County Sheriff's Office	Hancock County	820 Spring St	Law Enforcement, Sheriff	Essential	Government - Emergency Response	2500	4406220	2014			0	2	1
Hancock State Prison	Hancock County	701 Prison Blvd	Law Enforcement, State Patrol	Vulnerable Population	Government - General Services	35000	1500000	2014			0	1595	1575
Hancock County Development Authority	Hancock County	Court House Square	Law Enforcement, State Patrol	Important	Government - General Services	2500	1137489	2014			0	3	
Holiday Shores 5-1	Hancock County	3388 Lake Crest Drive	Emergency Services, Fire Fighters	Essential	Government - Emergency Response	1200	35000	2013	3000	2013	0		
Holiday Shores 5-2	Hancock County	3388 Lake Crest Drive	Emergency Services, Fire Fighters	Essential	Government - Emergency Response	3000	108364	2013	9050	2013	0		
John Hancock Academy	Hancock County	1100 Linton Road	Education, Private	Vulnerable Population	Grade Schools and Admin. Offices	1200	200000	2014			0	75	
M.e. Lewis Elementary	Hancock County	HWY 15 RR2 Box 456	NGO, Water/Sewer	Essential, Vulnerable Population	Grade Schools and Admin. Offices	30000	450000	2014			0		

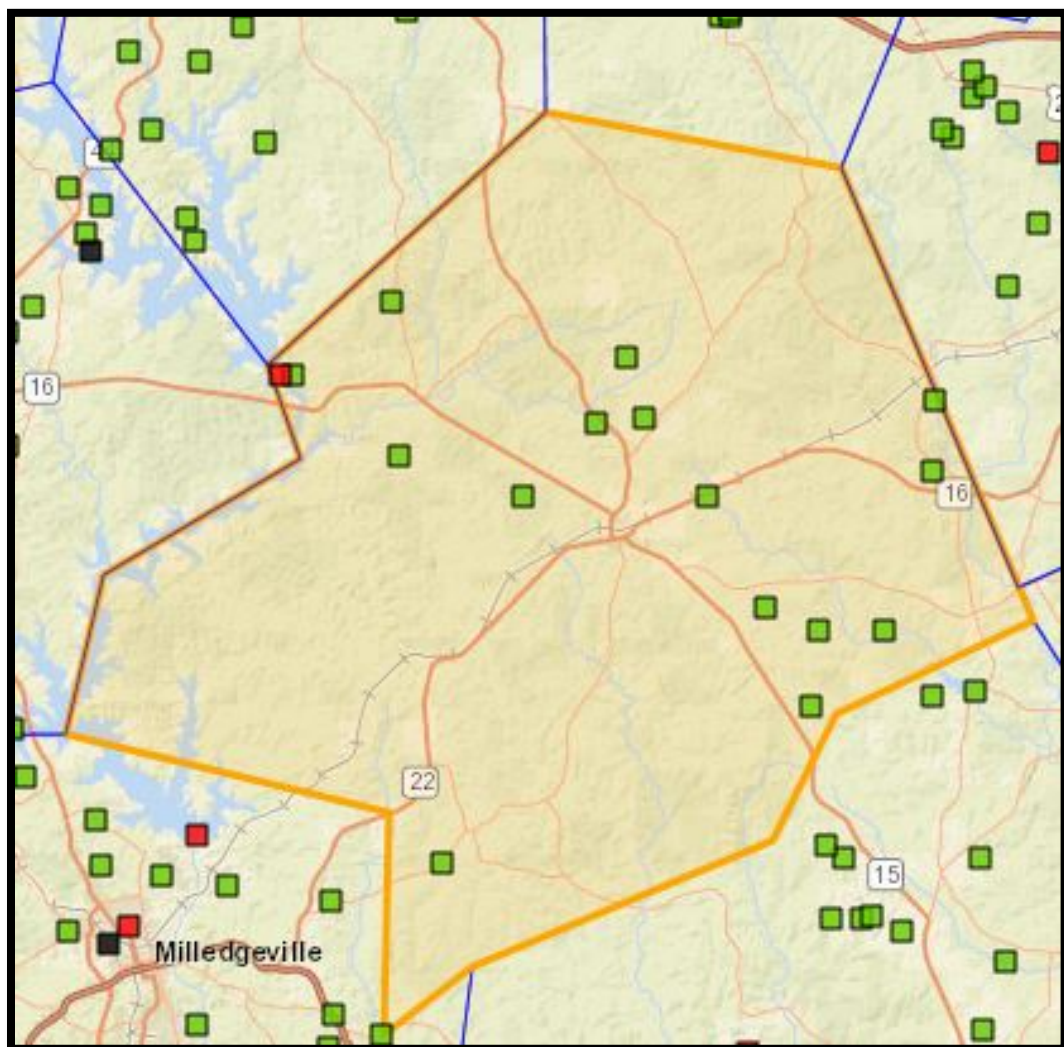
DAM_NAME	NIDID	COUNTY	CITY	YEAR_	DAM	DAM	STRUCTURAL_	HYDRAULIC_	NID	HAZARD
				COMPLETED	LENGTH	HEIGHT	HEIGHT	HEIGHT	HEIGHT	
MOATE LAKE DAM	GA00379	HANCOCK			900	30			30 L	
DEERFIELD LAKE DAM	GA00380	HANCOCK			750	16			16 L	
RIVES LAKE DAM	GA00387	HANCOCK	SPARTA NORTH ENVIRONS	1972	490	23		20	23 L	
HALE LAKE DAM	GA00388	HANCOCK	JEWELL	1948	520	28		23	28 L	
GEORGE BROWN POND DAM	GA00389	HANCOCK	ST.PAULS CHURCH ENVIRONS	1960	990	19		15	19 L	
THE POND DAM	GA00390	HANCOCK			720	30		31	31 L	
BROWN LAKE DAM	GA00391	HANCOCK	GRANITE HILL ENVIRONS	1950	540	14		13	14 L	
DICKENS LAKE DAM	GA00392	HANCOCK	HOWELL GROVE ENVIRONS	1960	660	30		23	30 L	
RAY FAMILY OLD POND DAM	GA02587	HANCOCK	BEULAH COMMUNITY	1965	660	12		12	12 L	
FISH HATCHERY DAM	GA02849	HANCOCK	JEWELL	1970	2960	24			24 L	
HARLEY LAKE DAM	GA02850	HANCOCK	HOWELL GROVE ENVIRONS	1963	595	18		14	18 L	
BROWN LAKE DAM	GA02851	HANCOCK			660	32			32 L	

DAM_NAME	NIDID	COUNTY	CITY	YEAR_	DAM	DAM	STRUCTURAL_	HYDRAULIC_	NID	HAZARD
				COMPLETED	LENGTH	HEIGHT	HEIGHT	HEIGHT	HEIGHT	
COLEMAN LAKE DAM	GA03344	HANCOCK	BETHEL CHURCH ENVIRONS	1900	460	19		16	19 L	
O'QUINN POND DAM	GA03346	HANCOCK	OCONEE	1957	800	14			14 L	
LOVEJOYS LAKE DAM	GA04288	HANCOCK	MILLEDEGEVIL LE	1940	450	18		14	18 L	

Hancock County Dams

Hazard Potential Type

- High
- Significant
- Low
- Undetermined
- Not Available



Drought

Drought conditions are identified by a prolonged period of moisture deficiency. Climatologists and hydrologists use five indicators of drought: rainfall, soil moisture, stream flows, lake levels and groundwater level. Drought conditions affect the cultivation of crops as well as water availability and water quality. Drought is also a key factor in wildfire development. Wildfire will be addressed in a separate HRV.

In the last 69 years, there have been 31 reported drought events, with four occurring since the last update. Historical data is only for the county as a whole. Agricultural losses due to drought are the primary losses. No critical facilities have sustained any damage or functional downtime due to dry weather conditions. According to the EWG Farm Subsidies Database, from 1995-2019, Hancock County received a total of \$2.89 million in farm subsidy payments of which \$1.47 million was for disaster assistance.

A severe, prolonged drought would mainly affect the 94.8 percent of the county that makes up the timber and agriculture business. This could result in loss of crops, livestock and create the conditions for a major wildfire event. This would also have an impact on the incorporated cities as water restrictions would be enforced. Based on a 20-year hazard cycle history there is a 140 percent chance of an annual drought event for the county as a whole.

In summary, for Hancock County as a whole, there are a total of 4,624 agricultural/forestry properties valued at approximately \$441 million and include 1,348 heads of livestock and an estimated population of 133 which have the greatest potential to be damaged by drought. There is a population of 9,429 and approximately 28,230 structures/properties in the county with a value just slightly more than \$1 billion which could be affected if wildfires break out as a result of drought conditions.

DROUGHT TABLE

DATE	Event Type	INJURIES	FATALITIES	PRD	C/D	REMARKS
7/31/1986	Drought	0	0	0	314	Drought
9/1/1997	Drought	0	0	0	0	The dry spell that existed the last 10 days of August continued through the first three weeks of September, especially over the south half of the state. Little or no rain fell in the south while one storm system produced scattered thunderstorms in the north half of the state on the 10th. University of Georgia agricultural experts estimated crop losses statewide at \$66.5 million.
9/22/1997	Drought	0	0	0	277	DROUGHT
5/1/1999	Drought	0	0	0	0	Below normal rainfall continued through May. According to the University of Georgia, this was the driest February through May period since the drought of 1925. Most of Georgia was classified as being in a severe drought and on the cusp of an extreme drought. Year-to-date rainfall deficits for the year through May were 7.68 inches at Atlanta; 8.20 inches at Macon; and 8.28 inches at Athens. This followed a dry 1998 summer when farmers state-wide lost \$700 million in revenue due to drought. Below normal fall and winter rainfall amounts failed to replenish soil moisture. The dry pattern was due to the cool Pacific Ocean water temperatures of a La Nina event. Although most of Georgia's crops were not in a fragile state yet, without significant rainfall soon, 1999 could be an even worse year than 1998 was for farmers.
8/1/1999	Drought	0	0	0	0	Dry conditions in the later part of July continued through most of August in north and central Georgia. Rainfall deficits were generally between 1.5 and 2.5 inches for the month. Only spotty areas received heavy rain from isolated thunderstorms, which caused their monthly totals to approach normal amounts. There were no figures available to determine what impact the drought had on the agricultural economy of the state. However, according to a newspaper quote attributed to the State Climatologist at the University of Georgia, this was the among the driest Augusts on record. By using the Palmer Drought Severity Index, this places the month in the moderate to severe drought category. Rainfall amounts for the year through August were 6 to 8 inches below normal over much of
2/1/2000	Drought	0	0	0	0	Rainfall amounts for the month of February were well below normal for most of north and central Georgia. The driest area was across the central portion of the state from Columbus through Macon into the Louisville, Greensboro and Watkinsville areas. Most cooperative observer sites in this area reported less than an inch of rain. The airport at Macon recorded only .37 inches, while Columbus recorded 1.20 inches of rainfall for the month. This was the driest February ever recorded at both locations. Other spotty areas with less than an inch of rain for the month were in the east and south Atlanta metro area, and also in Glimmer county. Most of the rest of north and central Georgia received less than 2 inches of rain for the month, which was less than half the normal.

DROUGHT TABLE

DATE	Event Type	INJURIES	FATALITIES	PRD	C/D	REMARKS
4/1/2000	Drought	0	0	0	0	Although rainfall amounts in March slowed the deficit across north and central Georgia, April saw a return to the below normal rainfall pattern that had persisted for the better part of 2 years. The Center for Climate Prediction and the U.S. Agriculture Department both indicated a severe drought for nearly all of Georgia except the extreme northern portion. Rainfall amounts in April averaged less than an inch in central Georgia, less than 2 inches in west central Georgia and between 1.7 and 2.6 inches for much of north Georgia except the northwestern counties. Overall rainfall amounts for the past year are on the order of 12 to 15 inches below normal. Long-term precipitation anomalies since May 1998 show Georgia experiencing the 2nd driest such period statewide with over 20.5 inches
5/1/2000	Drought	0	0	0	0	The dry conditions, that had persisted for most of a 2 year period, continued through May over north and central Georgia. Rainfall amounts in central Georgia were only about 25 percent of normal, while 50 to 75 percent of normal amounts fell across the north. In Macon, the airport recorded only .30 inch of rain for the entire month, establishing this May as the driest May on record. The previous driest May was in 1936 when only .32 inch of rain fell. In Columbus, only .78 inch of rain was recorded for the month. Across north Georgia, rainfall amounts were around 2 inches, which was still between 2.5 and 3 inches below normal. Rainfall deficits for the year through May for most of north and central Georgia were between 7 and 10 inches. The Center for Climate Prediction and the U.S. Department of Agriculture classified most of central Georgia as being in an extreme drought for May. They classified most of the north as being in a severe drought, except for the northernmost counties which were placed in first stage drought conditions. In Georgia, corn and soybean crops were rated 43 percent poor to very poor, while cotton was rated at 37 percent poor to very poor. Dollar amounts were not available at this stage of the drought, but crops across the state would be in serious trouble without some relief from the dry conditions.

DROUGHT TABLE

DATE	Event Type	INJURIES	FATALITIES	PRD	C/D	REMARKS
6/1/2000	Drought	0	0	0	621	Extremely dry conditions continued across north and central Georgia through the month of June. These same dry conditions had persisted for most of the last 2 years. All rainfall was from spotty convective activity, with no widespread general rains occurring during the month. Most of the convection was concentrated across the southeast parts of WFO Peachtree City's County Warning Area. The west central and north central portions received only 25 to 50 percent of normal rainfall with northwest and east central portions faring slightly better with 50 to 75 percent of normal. At the major airports in north and central Georgia, Atlanta reported 1.11 inches, Athens 1.98 inches, Macon 2.86 inches, and Columbus only 0.51 inches of rain for the month of June. These amounts were 2.45 inches, 1.95 inches, 0.72 inches, and 3.56 inches below normal, respectively. Yearly rainfall totals for most cooperative observer stations in north and central Georgia were between 10 and 15 inches below normal. The 2 year deficit exceeded 20 inches across much of the same area. The center for Climate Prediction and the U.S. Department of Agriculture classified most of central Georgia in an exceptional drought and most of north Georgia in an extreme drought state. The northern most counties were upgraded from a first stage drought to a severe drought status. Water supplies continued to dwindle in most areas. Streamflows were at or below the lowest 10th percentile of the historical distribution for June at 90 percent of Georgia's observing sites. Twenty-nine percent of Georgia's cotton crop was rated in a poor to very poor condition. University of Georgia cumulative crop damage estimates for the whole state were placed at \$689 million dollars, plus another \$50 million dollars in increased irrigation costs, for a total estimate of \$739 million in losses statewide. Of that total, over \$309 million was estimated for the counties in the Peachtree City CWA. Of those counties, Sumter county suffered the most with over \$20 million, and Dooly county had almost \$16.5 million in losses.
6/30/2000	Drought	0	0	0	3162	DROUGHT

DROUGHT TABLE

DATE	Event Type	INJURIES	FATALITIES	PRD	C/D	REMARKS
7/1/2000	Drought	0	0	0	0	Drought conditions continued during July over most of WFO Peachtree City's County Warning Area. Rainfall amounts were higher in July than in June. However climatological normals also increased during July, so there was still a substantial shortfall from the monthly normal precipitation. Total rainfall for the month was generally in the 2 to 3 inch range, however spotty areas received between 4 and 6 inches, while other areas received an inch or less for the month. The net effect was too little, too late for farmers across North and Central Georgia. As of the end of July, the U.S. Department of Agriculture placed all of the CWA in the range of severe to exceptional drought. The area with the largest departure from normal precipitation during July was a swath from west central Georgia across the state, generally along and south of a line from Atlanta to Athens, and north of a line from Columbus to Macon to Augusta. No new crop damage or loss estimates were available, but the previous estimates in June seem to represent the entire 2000 growing season. That estimate placed the total for Peachtree City's county warning area at \$306.7 million. An increase in precipitation toward the latter part of the month, and forecasts for the continued weakening of La Nina, brought hope that drought conditions that had lasted for over 2 years were beginning to ease. The latest 90 day forecasts called for near normal precipitation over the southeastern U.S.
10/1/2000	Drought	0	0	0	0	Measurable rain fell on only one day at many locations throughout the region, with monthly rainfall less than one inch at most reporting stations. Rainfall deficits exceeding 3 inches were common across most of north Georgia, with rainfall deficits around 2 inches common in the central portion of the state. Of the four major reporting stations in north Georgia, monthly rainfall totals of only 0.23 inch were observed at Athens, 0.87 at Atlanta, 0.62 at Columbus, and 1.08 at Macon, with deficits of 3.05 inches, 2.18 inches, 1.60 inches, and 1.10 inches respectively.

DROUGHT TABLE

DATE	Event Type	INJURIES	FATALITIES	PRD	C/D	REMARKS
						A very dry weather pattern, which actually began in mid-August, continued into October. The synoptic pattern was dominated by northwest flow aloft and a series of large Canadian high pressure systems which brought repeated spells of cool, dry weather to Georgia during the month. October was the driest month of the year at all reporting stations and the driest month observed at most locations since October 2000, near the all time record driest for Macon. Less than 1 inch of rainfall was recorded at all of the major airport reporting locations in north and central Georgia with 0.87 inches at Atlanta, 0.82 inches at Columbus, 0.42 inches at Athens, and 0.12 inches at Macon. Normal rainfall values for the month of October are 3.05 inches for Atlanta, 2.22 inches for Columbus, 3.28 inches for Athens, and 2.18 inches for Macon. While all stations have in the past had at least one October with no measurable rainfall, 2001 ranked as the 2nd driest October at Macon since 1931 and the 11th driest at Athens since 1931. What little rain that fell, in all cases less than 1 inch, occurred along and ahead of three fairly strong cold fronts, one passing through the state the 5th and 6th, another on the 13th and 14th, and a third on the 25th. In most cases, rainfall amounts were less than 0.10 inch on these days. Long consecutive stretches of days with no measurable rain were observed, especially during the latter half of the month. Athens and Macon both recorded 17 consecutive days (15th - 31st) with no measurable rainfall. The abnormally dry October, combined with below normal rainfall at most locations in September and October, brought rainfall deficits in excess of 5.00 inches for the year at many locations. By October 31st, the rainfall deficit for Atlanta had exceeded 7.00 inches and in Columbus had exceeded 8.00 inches. This is the 4th consecutive year that rainfall amounts were well below normal for the year at the end of October. However, overall deficits averaged 6 to 8 inches less than at this same time in 2000.
11/1/2001	Drought	0	0	0	0	Very dry weather continued throughout December across all of north and central Georgia. December marked the 5th consecutive month of below normal rainfall for many locations, and the third consecutive month of much below normal rainfall for most of north and central Georgia. Significant rain fell on only 4 days at most locations across north and central Georgia, with daily amounts on these days averaging 0.50 inch or less. Monthly rainfall amounts for December were generally less than 2 inches. Specifically, rainfall amounts at the major reporting sites included 2.22 inches at Atlanta, 1.81 inches at Columbus, 1.58 inches at Macon, and 1.48 inches for Athens. October through December rainfall ranked among some of the lowest in history. Three month totals included 4.63 inches at Columbus, 4.18 inches at Macon, 4.02 inches at Atlanta, and 2.55 inches for Athens. The 3-month total of 2.55 inches recorded in Athens was the lowest amount of rainfall ever observed during these three months since 1931. For Atlanta, Macon, and Columbus, the October through December period ranked as the 2nd, 5th, and 3rd driest since 1931. Annual rainfall amounts for 2001 were below normal at many stations for the 4th consecutive year. Annual deficits averaged between 10 and 15 inches.
10/1/2001	Drought	0	0	0	0	
12/1/2001	Drought	0	0	0	0	

DROUGHT TABLE

DATE	Event Type	INJURIES	FATALITIES	PRD	CrD	REMARKS
4/1/2002	Drought	0	0	0	0	A summerlike weather pattern dominated north Georgia much of the month, resulting in several days of above normal temperatures and a lack of organized precipitation producing systems. Most major weather systems were shunted to the northwest of Georgia during the month, resulting in below normal rainfall at most reporting stations. The rainfall deficits were most noticeable across the northern part of the state with Atlanta recording only 1.83 inches of rain during the month, 1.79 inches below normal, and Athens recording only 1.65 inches of rain during the month, which was 1.70 inches below normal. These rainfall deficits continued to add to the overall rainfall deficit which had been prevalent across north and central Georgia since mid-summer 1998.
8/1/2002	Drought	0	0	0	0	Very dry conditions persisted across much of north and central Georgia during the month. Rainfall totals of less than one inch were observed at several reporting stations. Athens received only 0.14 inch of rain during the month making it the 2nd driest August on record. Atlanta was close with only 0.77 inch of rain, marking it as the 3rd driest August on record. Other locations in north and central Georgia receiving less than one inch of rain for the month included Fairmont with 0.01 inch, Byron with 0.09 inch, Marietta with 0.26 inch, Peachtree City with 0.35 inch, Atlanta Bolton with 0.51 inch, Experiment (Griffin) with 0.53 inch, Woodbury with 0.59 inch, Gainesville with 0.63 inch, Mulberry Grove with 0.69 inch, Franklin with 0.70 inch, Douglasville with 0.73 inch, Barnesville with 0.79 inch, Mableton with 0.83 inch, Resaca with 0.94 inch, and Fulton County Airport with 0.98 inch. These rainfall amounts average between two and three inches below normal for the month of August. The minimal rainfall amounts simply aggravate the long term drought conditions that had persisted across north and central Georgia since 1998. Annual rainfall deficits were in excess of 10 inches at many locations. The June through August period was ranked for the state as a whole as the driest June through August period in history. Despite these facts, however, as typical for summer in the southeast, some locations received copious amounts of rainfall from isolated thunderstorms, especially in the extreme southeast portion of Middle Georgia and the northwest corner of the state. Lyons received an impressive 9.81 inches of rain during the month, while Cartersville recorded 5.09 inches and Summerville with 6.50 inches. There were several other locations, mainly in the far north part of the state, with rainfall in excess of four inches. Much of this rainfall at these locations was received during a single thunderstorm.

DROUGHT TABLE

DATE	Event Type	INJURIES	FATALITIES	PRD	C/D	REMARKS
1/1/2003	Drought	0	0	0	0	A large Polar vortex, anchored over the Hudson Bay region of Canada and the northeastern United States, dominated the eastern United States nearly the entire month. As a result, a cold, dry northwest flow prevailed into the southeastern United States throughout the month. Gulf moisture was virtually shut off from weather systems as disturbances moved down into the area from the Northern Plains and Ohio Valley. This pattern resulted in very little precipitation during the first 28 days of the month. During the last three days of the month, a stronger southern jet stream brought rain back into the area. Many locations in north and central Georgia were having their driest January in history prior to the 29th, when 1.00 to 2.00 inches of rain fell across much of the area. For the first 28 days of the month, many areas had not even received 0.50 inch of rain or liquid equivalent of snow. Nonetheless, the lack of rain during the first 28 days left most areas with a substantial rainfall deficit for the month, including Macon with a deficit of 3.55 inches, Atlanta with a deficit of 3.03 inches, Athens with a deficit of 2.95 inches, and Columbus with a deficit of 2.66 inches. January is normally a rainy month for north and central Georgia with normal rainfall amounts in the 4.00 to 5.00 inch range.
3/1/2004	Drought	0	0	0	0	North and Central Georgia endured one of the driest March's on record. With only near to slightly below normal rainfall during January and February, by the end of March, most of the area was classified in a mild drought. Most areas of the state only received around one inch of rain during the entire month. Climatologically, March is the wettest month of the year across most of the area. Columbus recorded their driest March ever since records began in the late 1800s with only 0.56 inch of rain. This is 5.19 inches below normal for the month. The other major reporting sites all reported similar stories. Atlanta received only 1.04 inches of rain, which is 4.34 inches below normal for the month and the third driest March since records began in the late 1800s. Athens recorded only 1.05 inches of rain, which is 3.94 inches below normal for the month and the second driest March on record. For Macon, only 0.43 inches of rain fell during the month, also marking it as the second driest March on record and leaving that site 4.47 inches below normal for the month. In addition, with the exception of Macon, the January through March 2004 period ranked as being in the top driest 10 for this period since records began.
5/1/2007	Drought	0	0	0	0	Drought conditions continued to worsen across the entire state during May. Rainfall deficits across many counties of north and central Georgia continued to grow as well as the number of counties classified in severe and extreme drought conditions. By the end of May 2007, 74 Georgia counties were classified as being in extreme drought, 79 in severe drought, and six in moderate drought. Counties within the Peachtree City, Georgia forecast area classified as being in extreme drought include Bartow, Carroll, Catoosa, Chattooga, Cherokee, Clayton, Cobb, Coweta, Dade, DeKalb, Douglas, Fannin, Fayette, Floyd, Fulton, Gilmer, Gordon, Haralson, Harris, Heard, Meriwether, Murray, Paulding, Pickens, Polk, Towns, Troup, Union, Walker and Whitfield. Drought conditions in all remaining counties within the Peachtree City, Georgia forecast area were classified as

DROUGHT TABLE

DATE	Event Type	INJURIES	FATALITIES	PRD	C/D	REMARKS
9/1/2007	Drought	0	0	0	0	Drought conditions continued to worsen through the summer months across north and central Georgia. Many areas of the state were nearing historical drought conditions by the end of the summer. By the end of September, rainfall deficits of 15 to 20 inches across north and west Georgia were common, with many of these areas only having received 30 to 40 percent of normal rainfall. Many lakes were nearing all time record low levels and above ground water supplies were being significantly impacted in many of the larger cities, especially Atlanta.
10/1/2007	Drought	0	0	0	0	Drought conditions persisted and actually worsened during September and October. October, climatologically the driest month of the year anyway, fell even short of normal values at most locations in north and central Georgia. Rainfall deficits of 15 to 20 inches were common in the north and rainfall deficits of 6 to 12 inches were common in central areas. Most areas of the state had only received 30 to 40 percent of normal annual rainfall by the end of October. Many lakes and rivers across north and central Georgia were nearing all time record low levels and above ground water supplies were being significantly impacted in many of the larger cities, especially Atlanta. A number of stream gage locations on creeks and river in north and central Georgia had established new record low water levels during October, including the major river basins of the Coosa, Chattahoochee, upper Oconee, upper Ocmulgee and Flint. Significant water conservation measures were being implemented in many cities across north and central Georgia.
11/1/2007	Drought	0	0	0	0	Drought conditions continued to worsen across north and central Georgia during November. Rainfall deficits continued to grow, with many locations across the north and central part of the state reporting rainfall deficits of 15 to 20 inches. With the exception of the Columbus area and the far northern part of the state, most of north and central Georgia received only about 50 percent of their normal rainfall during the month. Many lake and river levels across north and central Georgia continued near all time record low levels. Above ground water supplies were severely taxed. Lake Lanier in northeast Georgia, the main water source for metropolitan Atlanta reached a new record low level of 1052.63 feet on November 20th. This was the lowest reading recorded since December 24th of 1981, when a level of 1052.66 feet was observed. Lake Allatoona in northwest Georgia and West Point Lake in west central Georgia were also nearing record levels, but fell several feet short of record values. Significant water restrictions remained in place across many counties in north Georgia. Only a minor recovery from the record low stream gage levels recorded on creeks and rivers in north and central Georgia during October was noted, mainly as a result of reduced evaporation rates attending the late fall period.

DROUGHT TABLE

DATE	Event Type	INJURIES	FATALITIES	PRD	C/D	REMARKS
12/1/2007	Drought	0	0	0	0	Drought conditions persisted and actually continued to worsen during December. This was especially true during the first half of the month when unseasonably warm, dry weather prevailed across the region thanks to a large upper-level ridge of high pressure. Rainfall deficits continued to grow during this time and lake levels fell to record or near record low levels. Lake Lanier in northeast Georgia and the main water supply for the Atlanta metropolitan area, dropped to its lowest level in history on December 28, 2007 with a reading of 1050.75 feet. New records were set nearly every day after November 20th, when the previous record low-level of 1052.63 feet was reached. Lake Allatoona in northwest Georgia and West Point Lake in west central Georgia were also near record low levels, but never reached previously established record low levels. While rivers and streams remained near record low levels as well, lower evaporation rates and slightly better overall rainfall allowed minor rises at many locations. Significant water conservation measures were being implemented in many cities across north and central Georgia.
9/1/2011	Drought	0	0	0	0	Hancock County declared Primary Natural Disaster Area from summer months of excessive heat and drought, which essentially began April 15, 2011. Crop loss was deemed at the 30 percent or greater level.
7/12/2012	Drought			0	0	County declared Primary Natural Disaster Area from summer months of excessive heat and drought.
9/1/2016	Drought	0	0	0	0	The D2 Severe to D3 Extreme drought conditions persisted over most of north and portions of central Georgia through September, with D4 Exceptional drought developing over far northwest Georgia by month's end. Although Tropical Storm Hermine provided a reprieve over portions of south and eastern Georgia, the remainder of the state continued to suffer from below normal precipitation (generally receiving only 5 to 50 percent of normal monthly rainfall). The rainfall deficit worsened, with 9 to nearly 13 inch departures from normal over north Georgia. In general, areas north and west of a line from Americus, to Sparta, to Homer were in D2 Severe drought or higher, except in the greater Columbus area which remained in the D0-D1 categories.
10/1/2016	Drought	0	0	0	0	The drought conditions continued to worsen over Georgia through October, with all of north and a majority of central Georgia in D2 Severe to D4 Exceptional drought conditions. By the end of October the Exceptional drought spread to include 33 counties. North and central Georgia received 25 percent or less of the normal precipitation for the month, with many locations observing no rain for the entire period. The area was so dry, in fact, that Atlanta began a record-breaking 43 days of no measurable rainfall in mid-October. The previous record was in 1884. The rainfall deficit for the previous six months worsened to 11 to 14 inches below normal across north and central Georgia. The D2 Severe to D4 Extreme drought conditions encompassed an area north and west of a line from Cordele, to Sandersville, to Warrenton. The drought continued to persist through the end of the year, spreading to include most of Georgia, and peaking in November.

DROUGHT TABLE

DATE	Event Type	INJURIES	FATALITIES	PRD	CrD	REMARKS
11/1/2016	Drought	0	0	0	0	The D4 Exceptional drought conditions rapidly worsened over Georgia through the month of November. By the end of the month, all but two counties in north and central Georgia were in the D2 Severe to D4 Exceptional drought area. The drought conditions were greatly impacted by well below rainfall for the month, particularly across southern and eastern portions of the state. These areas only received 25 percent or less of the normal November rainfall. The area was so dry, in fact, that Atlanta ended the record-breaking 43 days of no measurable rainfall on November 29. The previous record was in 1884. Rome broke the record with 61 days of no measurable rainfall on November 28 (previously set in 1897). The rainfall deficit for the previous 6 months worsened to 13 to 16 inches below normal across north and central Georgia. The D2 Severe to D4 Extreme drought conditions encompassed an area north and west of a line from McRae, to Swainsboro, to Augusta. Although the drought conditions were at the peak at the end of November, the drought persisted through the end of the year and into 2017.
12/1/2016	Drought	0	0	0	0	The D4 Exceptional drought conditions improved slightly over Georgia through the month of December as a more active atmospheric pattern set up over the region. The most significant improvement occurred over the southern Atlanta metropolitan area, with some portions of Coweta, Fayette, Clayton, and Henry counties improving from the D4 Exceptional to D2 Severe drought level. Far north Georgia counties along the Tennessee border also improved from D4 Exceptional to D3 Extreme drought. Elsewhere across north and central Georgia, the drought persisted through the month with little to no improvement. At the end of the year, annual normal rainfall departures were generally 9 to 15 inches across north Georgia, and 1 to 6 inches across central Georgia. Lake levels were heavily impacted by the drought with Lake Lanier and Carters Lake nearly 10 feet below seasonal pool levels. Although the drought conditions peaked in November, the long term drought persisted into 2017.
1/1/2017	Drought	0	0	0	0	Through the month of January, a more active pattern provided above normal rainfall to the majority of the state, and improving drought conditions across the state enough to remove the D4 Exceptional drought category entirely. By the end of the month, the remaining D3 Extreme drought area stretched a small area from Ellijay, to Blaisville, to Helen in the NE Georgia mountains. The D2 Severe drought area retreated northward, only including areas north of a line from Franklin, to Acworth, to Athens, to Elberton. Even with the January rainfall, the long term drought remained a concern into the late winter months, with 365 day normal rainfall departures of 9 to 20 inches across north
		0	0	0	4374	

Drought Event Table

MapDate	None	D0	D1	D2	D3	D4	ValidStart	ValidEnd
20190625	100	0	0	0	0	0	6/25/2019	7/1/2019
20190618	100	0	0	0	0	0	6/18/2019	6/24/2019
20190611	0	100	0	0	0	0	6/11/2019	6/17/2019
20190604	0	0	100	0	0	0	6/4/2019	6/10/2019
20190528	0	87.04	12.96	0	0	0	5/28/2019	6/3/2019
20190521	0	87.04	12.96	0	0	0	5/21/2019	5/27/2019
20190514	0	100	0	0	0	0	5/14/2019	5/20/2019
20190507	0	96.14	3.86	0	0	0	5/7/2019	5/13/2019
20190430	0	96.14	3.86	0	0	0	4/30/2019	5/6/2019
20190423	0	100	0	0	0	0	4/23/2019	4/29/2019
20190416	0	100	0	0	0	0	4/16/2019	4/22/2019
20190409	0	100	0	0	0	0	4/9/2019	4/15/2019
20190402	0	100	0	0	0	0	4/2/2019	4/8/2019
20190326	68.29	31.71	0	0	0	0	3/26/2019	4/1/2019
20190319	87.54	12.46	0	0	0	0	3/19/2019	3/25/2019
20190312	97.63	2.37	0	0	0	0	3/12/2019	3/18/2019
20190305	100	0	0	0	0	0	3/5/2019	3/11/2019
20190226	100	0	0	0	0	0	2/26/2019	3/4/2019
20190219	100	0	0	0	0	0	2/19/2019	2/25/2019
20190212	100	0	0	0	0	0	2/12/2019	2/18/2019
20190205	100	0	0	0	0	0	2/5/2019	2/11/2019
20190129	100	0	0	0	0	0	1/29/2019	2/4/2019
20190122	100	0	0	0	0	0	1/22/2019	1/28/2019
20190115	100	0	0	0	0	0	1/15/2019	1/21/2019
20190108	100	0	0	0	0	0	1/8/2019	1/14/2019
20190101	100	0	0	0	0	0	1/1/2019	1/7/2019
20181225	100	0	0	0	0	0	12/25/2018	12/31/2018
20181218	100	0	0	0	0	0	12/18/2018	12/24/2018
20181211	100	0	0	0	0	0	12/11/2018	12/17/2018
20181204	100	0	0	0	0	0	12/4/2018	12/10/2018
20181127	100	0	0	0	0	0	11/27/2018	12/3/2018
20181120	100	0	0	0	0	0	11/20/2018	11/26/2018
20181113	100	0	0	0	0	0	11/13/2018	11/19/2018
20181106	72.66	27.34	0	0	0	0	11/6/2018	11/12/2018
20181030	72.66	27.34	0	0	0	0	10/30/2018	11/5/2018
20181023	4.82	68.05	27.13	0	0	0	10/23/2018	10/29/2018
20181016	4.82	68.05	27.13	0	0	0	10/16/2018	10/22/2018
20181009	0	30.37	69.63	0	0	0	10/9/2018	10/15/2018
20181002	0	30.37	69.63	0	0	0	10/2/2018	10/8/2018
20180925	0	33.6	66.4	0	0	0	9/25/2018	10/1/2018
20180918	21.36	75.01	3.63	0	0	0	9/18/2018	9/24/2018
20180911	21.36	78.64	0	0	0	0	9/11/2018	9/17/2018
20180904	24.01	75.99	0	0	0	0	9/4/2018	9/10/2018
20180828	100	0	0	0	0	0	8/28/2018	9/3/2018
20180821	100	0	0	0	0	0	8/21/2018	8/27/2018
20180814	100	0	0	0	0	0	8/14/2018	8/20/2018

Drought Event Table

MapDate	None	D0	D1	D2	D3	D4	ValidStart	ValidEnd
20180807	100	0	0	0	0	0	8/7/2018	8/13/2018
20180731	100	0	0	0	0	0	7/31/2018	8/6/2018
20180724	100	0	0	0	0	0	7/24/2018	7/30/2018
20180717	100	0	0	0	0	0	7/17/2018	7/23/2018
20180710	100	0	0	0	0	0	7/10/2018	7/16/2018
20180703	100	0	0	0	0	0	7/3/2018	7/9/2018
20180626	100	0	0	0	0	0	6/26/2018	7/2/2018
20180619	100	0	0	0	0	0	6/19/2018	6/25/2018
20180612	100	0	0	0	0	0	6/12/2018	6/18/2018
20180605	100	0	0	0	0	0	6/5/2018	6/11/2018
20180529	100	0	0	0	0	0	5/29/2018	6/4/2018
20180522	100	0	0	0	0	0	5/22/2018	5/28/2018
20180515	0	100	0	0	0	0	5/15/2018	5/21/2018
20180508	0	100	0	0	0	0	5/8/2018	5/14/2018
20180501	0	100	0	0	0	0	5/1/2018	5/7/2018
20180424	0	100	0	0	0	0	4/24/2018	4/30/2018
20180417	0	62.65	37.35	0	0	0	4/17/2018	4/23/2018
20180410	0	0	100	0	0	0	4/10/2018	4/16/2018
20180403	0	98.32	1.68	0	0	0	4/3/2018	4/9/2018
20180327	0	98.32	1.68	0	0	0	3/27/2018	4/2/2018
20180320	0	98.32	1.68	0	0	0	3/20/2018	3/26/2018
20180313	0	70.32	29.68	0	0	0	3/13/2018	3/19/2018
20180306	0	87.85	12.15	0	0	0	3/6/2018	3/12/2018
20180227	0	100	0	0	0	0	2/27/2018	3/5/2018
20180220	0	100	0	0	0	0	2/20/2018	2/26/2018
20180213	100	0	0	0	0	0	2/13/2018	2/19/2018
20180206	59.49	40.51	0	0	0	0	2/6/2018	2/12/2018
20180130	0	100	0	0	0	0	1/30/2018	2/5/2018
20180123	0	99.46	0.54	0	0	0	1/23/2018	1/29/2018
20180116	0	99.46	0.54	0	0	0	1/16/2018	1/22/2018
20180109	0	78.98	21.02	0	0	0	1/9/2018	1/15/2018
20180102	13.93	65.05	21.02	0	0	0	1/2/2018	1/8/2018
20171226	13.93	65.05	21.02	0	0	0	12/26/2017	1/1/2018
20171219	0	29.32	70.68	0	0	0	12/19/2017	12/25/2017
20171212	0	29.33	70.67	0	0	0	12/12/2017	12/18/2017
20171205	0	29.33	70.67	0	0	0	12/5/2017	12/11/2017
20171128	0	99.9	0.1	0	0	0	11/28/2017	12/4/2017
20171121	0	100	0	0	0	0	11/21/2017	11/27/2017
20171114	0	100	0	0	0	0	11/14/2017	11/20/2017
20171107	68.02	31.98	0	0	0	0	11/7/2017	11/13/2017
20171031	68.02	31.98	0	0	0	0	10/31/2017	11/6/2017
20171024	67.85	32.15	0	0	0	0	10/24/2017	10/30/2017
20171017	0	100	0	0	0	0	10/17/2017	10/23/2017
20171010	100	0	0	0	0	0	10/10/2017	10/16/2017
20171003	100	0	0	0	0	0	10/3/2017	10/9/2017
20170926	100	0	0	0	0	0	9/26/2017	10/2/2017

Drought Event Table

MapDate	None	D0	D1	D2	D3	D4	ValidStart	ValidEnd
20170919	100	0	0	0	0	0	9/19/2017	9/25/2017
20170912	100	0	0	0	0	0	9/12/2017	9/18/2017
20170905	100	0	0	0	0	0	9/5/2017	9/11/2017
20170829	100	0	0	0	0	0	8/29/2017	9/4/2017
20170822	100	0	0	0	0	0	8/22/2017	8/28/2017
20170815	100	0	0	0	0	0	8/15/2017	8/21/2017
20170808	100	0	0	0	0	0	8/8/2017	8/14/2017
20170801	100	0	0	0	0	0	8/1/2017	8/7/2017
20170725	100	0	0	0	0	0	7/25/2017	7/31/2017
20170718	100	0	0	0	0	0	7/18/2017	7/24/2017
20170711	100	0	0	0	0	0	7/11/2017	7/17/2017
20170704	100	0	0	0	0	0	7/4/2017	7/10/2017
20170627	25.67	74.33	0	0	0	0	6/27/2017	7/3/2017
20170620	40.93	46.12	12.95	0	0	0	6/20/2017	6/26/2017
20170613	40.93	46.12	12.95	0	0	0	6/13/2017	6/19/2017
20170606	40.93	46.12	12.94	0	0	0	6/6/2017	6/12/2017
20170530	40.93	46.02	13.04	0	0	0	5/30/2017	6/5/2017
20170523	1.58	85.38	13.04	0	0	0	5/23/2017	5/29/2017
20170516	2.67	84.29	13.04	0	0	0	5/16/2017	5/22/2017
20170509	2.67	84.29	13.04	0	0	0	5/9/2017	5/15/2017
20170502	2.67	84.29	13.04	0	0	0	5/2/2017	5/8/2017
20170425	2.67	84.29	13.04	0	0	0	4/25/2017	5/1/2017
20170418	0	86.96	13.04	0	0	0	4/18/2017	4/24/2017
20170411	0	100	0	0	0	0	4/11/2017	4/17/2017
20170404	0	100	0	0	0	0	4/4/2017	4/10/2017
20170328	0	100	0	0	0	0	3/28/2017	4/3/2017
20170321	0	100	0	0	0	0	3/21/2017	3/27/2017
20170314	78.44	21.56	0	0	0	0	3/14/2017	3/20/2017
20170307	78.72	21.28	0	0	0	0	3/7/2017	3/13/2017
20170228	78.72	21.28	0	0	0	0	2/28/2017	3/6/2017
20170221	78.72	21.28	0	0	0	0	2/21/2017	2/27/2017
20170214	78.72	21.28	0	0	0	0	2/14/2017	2/20/2017
20170207	0	76.52	23.48	0	0	0	2/7/2017	2/13/2017
20170131	0	76.52	23.48	0	0	0	1/31/2017	2/6/2017
20170124	0	76.52	23.48	0	0	0	1/24/2017	1/30/2017
20170117	0	0	70.1	29.9	0	0	1/17/2017	1/23/2017
20170110	0	0	70.1	29.9	0	0	1/10/2017	1/16/2017
20170103	0	0	32.62	67.38	0	0	1/3/2017	1/9/2017
20161227	0	0	0	0	34.07	65.93	12/27/2016	1/2/2017
20161220	0	0	0	0	34.07	65.93	12/20/2016	12/26/2016
20161213	0	0	0	0	33.98	66.02	12/13/2016	12/19/2016
20161206	0	0	0	0	33.98	66.02	12/6/2016	12/12/2016
20161129	0	0	0	0	46	54	11/29/2016	12/5/2016
20161122	0	0	0	0	46	54	11/22/2016	11/28/2016
20161115	0	0	0	0.91	99.09	0	11/15/2016	11/21/2016
20161108	0	0	0.09	65.64	34.27	0	11/8/2016	11/14/2016

Drought Event Table

MapDate	None	D0	D1	D2	D3	D4	ValidStart	ValidEnd
20161101	0	0	0.09	65.64	34.27	0	11/1/2016	11/7/2016
20161025	0	0	0.09	65.64	34.27	0	10/25/2016	10/31/2016
20161018	0	0	0.09	66.86	33.05	0	10/18/2016	10/24/2016
20161011	0	0	1.72	65.23	33.05	0	10/11/2016	10/17/2016
20161004	0	0	1.72	66.43	31.85	0	10/4/2016	10/10/2016
20160927	0	0	1.73	66.42	31.85	0	9/27/2016	10/3/2016
20160920	0	0	2.21	91.01	6.78	0	9/20/2016	9/26/2016
20160913	0	0	34.8	65.2	0	0	9/13/2016	9/19/2016
20160906	0	0	100	0	0	0	9/6/2016	9/12/2016
20160830	0	0	100	0	0	0	8/30/2016	9/5/2016
20160823	0	0	100	0	0	0	8/23/2016	8/29/2016
20160816	0	0	100	0	0	0	8/16/2016	8/22/2016
20160809	0	48.04	51.96	0	0	0	8/9/2016	8/15/2016
20160802	0	100	0	0	0	0	8/2/2016	8/8/2016
20160726	0	100	0	0	0	0	7/26/2016	8/1/2016
20160719	0	100	0	0	0	0	7/19/2016	7/25/2016
20160712	0	100	0	0	0	0	7/12/2016	7/18/2016
20160705	0	100	0	0	0	0	7/5/2016	7/11/2016
20160628	0	100	0	0	0	0	6/28/2016	7/4/2016
20160621	0	100	0	0	0	0	6/21/2016	6/27/2016
20160614	9.9	90.1	0	0	0	0	6/14/2016	6/20/2016
20160607	52.09	47.91	0	0	0	0	6/7/2016	6/13/2016
20160531	52.09	47.91	0	0	0	0	5/31/2016	6/6/2016
20160524	52.09	47.91	0	0	0	0	5/24/2016	5/30/2016
20160517	52.09	47.91	0	0	0	0	5/17/2016	5/23/2016
20160510	79.2	20.8	0	0	0	0	5/10/2016	5/16/2016
20160503	75.58	24.42	0	0	0	0	5/3/2016	5/9/2016
20160426	100	0	0	0	0	0	4/26/2016	5/2/2016
20160419	100	0	0	0	0	0	4/19/2016	4/25/2016
20160412	100	0	0	0	0	0	4/12/2016	4/18/2016
20160405	100	0	0	0	0	0	4/5/2016	4/11/2016
20160329	0	100	0	0	0	0	3/29/2016	4/4/2016
20160322	8.07	91.93	0	0	0	0	3/22/2016	3/28/2016
20160315	100	0	0	0	0	0	3/15/2016	3/21/2016
20160308	100	0	0	0	0	0	3/8/2016	3/14/2016
20160301	100	0	0	0	0	0	3/1/2016	3/7/2016
20160223	100	0	0	0	0	0	2/23/2016	2/29/2016
20160216	100	0	0	0	0	0	2/16/2016	2/22/2016
20160209	100	0	0	0	0	0	2/9/2016	2/15/2016
20160202	100	0	0	0	0	0	2/2/2016	2/8/2016
20160126	100	0	0	0	0	0	1/26/2016	2/1/2016
20160119	100	0	0	0	0	0	1/19/2016	1/25/2016
20160112	100	0	0	0	0	0	1/12/2016	1/18/2016
20160105	100	0	0	0	0	0	1/5/2016	1/11/2016
20151229	100	0	0	0	0	0	12/29/2015	1/4/2016
20151222	100	0	0	0	0	0	12/22/2015	12/28/2015

Drought Event Table

MapDate	None	D0	D1	D2	D3	D4	ValidStart	ValidEnd
20151215	100	0	0	0	0	0	12/15/2015	12/21/2015
20151208	100	0	0	0	0	0	12/8/2015	12/14/2015
20151201	100	0	0	0	0	0	12/1/2015	12/7/2015
20151124	100	0	0	0	0	0	11/24/2015	11/30/2015
20151117	100	0	0	0	0	0	11/17/2015	11/23/2015
20151110	100	0	0	0	0	0	11/10/2015	11/16/2015
20151103	100	0	0	0	0	0	11/3/2015	11/9/2015
20151027	99.4	0.6	0	0	0	0	10/27/2015	11/2/2015
20151020	99.4	0.6	0	0	0	0	10/20/2015	10/26/2015
20151013	99.4	0.6	0	0	0	0	10/13/2015	10/19/2015
20151006	99.4	0.6	0	0	0	0	10/6/2015	10/12/2015
20150929	95.46	4.54	0	0	0	0	9/29/2015	10/5/2015
20150922	95.3	4.7	0	0	0	0	9/22/2015	9/28/2015
20150915	95.3	4.7	0	0	0	0	9/15/2015	9/21/2015
20150908	12.96	81.34	5.7	0	0	0	9/8/2015	9/14/2015
20150901	12.96	81.34	5.7	0	0	0	9/1/2015	9/7/2015
20150825	0	10.37	89.63	0	0	0	8/25/2015	8/31/2015
20150818	0	0	100	0	0	0	8/18/2015	8/24/2015
20150811	0	0	100	0	0	0	8/11/2015	8/17/2015
20150804	0	0	100	0	0	0	8/4/2015	8/10/2015
20150728	0	93.12	6.88	0	0	0	7/28/2015	8/3/2015
20150721	42.14	57.86	0	0	0	0	7/21/2015	7/27/2015
20150714	73.09	26.91	0	0	0	0	7/14/2015	7/20/2015
20150707	97.55	2.45	0	0	0	0	7/7/2015	7/13/2015
20150630	97.55	2.45	0	0	0	0	6/30/2015	7/6/2015
20150623	97.55	2.45	0	0	0	0	6/23/2015	6/29/2015
20150616	100	0	0	0	0	0	6/16/2015	6/22/2015
20150609	100	0	0	0	0	0	6/9/2015	6/15/2015
20150602	100	0	0	0	0	0	6/2/2015	6/8/2015
20150526	100	0	0	0	0	0	5/26/2015	6/1/2015
20150519	100	0	0	0	0	0	5/19/2015	5/25/2015
20150512	100	0	0	0	0	0	5/12/2015	5/18/2015
20150505	100	0	0	0	0	0	5/5/2015	5/11/2015
20150428	100	0	0	0	0	0	4/28/2015	5/4/2015
20150421	100	0	0	0	0	0	4/21/2015	4/27/2015
20150414	98.27	1.73	0	0	0	0	4/14/2015	4/20/2015
20150407	98.27	1.73	0	0	0	0	4/7/2015	4/13/2015
20150331	98.27	1.73	0	0	0	0	3/31/2015	4/6/2015
20150324	100	0	0	0	0	0	3/24/2015	3/30/2015
20150317	100	0	0	0	0	0	3/17/2015	3/23/2015
20150310	100	0	0	0	0	0	3/10/2015	3/16/2015
20150303	100	0	0	0	0	0	3/3/2015	3/9/2015
20150224	100	0	0	0	0	0	2/24/2015	3/2/2015
20150217	100	0	0	0	0	0	2/17/2015	2/23/2015
20150210	100	0	0	0	0	0	2/10/2015	2/16/2015
20150203	100	0	0	0	0	0	2/3/2015	2/9/2015

Drought Event Table

MapDate	None	D0	D1	D2	D3	D4	ValidStart	ValidEnd
20150127	100	0	0	0	0	0	1/27/2015	2/2/2015
20150120	100	0	0	0	0	0	1/20/2015	1/26/2015
20150113	100	0	0	0	0	0	1/13/2015	1/19/2015
20150106	100	0	0	0	0	0	1/6/2015	1/12/2015
20141230	99.29	0.71	0	0	0	0	12/30/2014	1/5/2015
20141223	0	99.33	0.67	0	0	0	12/23/2014	12/29/2014
20141216	0	99.33	0.67	0	0	0	12/16/2014	12/22/2014
20141209	6.8	92.53	0.67	0	0	0	12/9/2014	12/15/2014
20141202	6.82	93.18	0	0	0	0	12/2/2014	12/8/2014
20141125	6.82	93.18	0	0	0	0	11/25/2014	12/1/2014
20141118	0	100	0	0	0	0	11/18/2014	11/24/2014
20141111	34.9	65.1	0	0	0	0	11/11/2014	11/17/2014
20141104	77.24	22.76	0	0	0	0	11/4/2014	11/10/2014
20141028	77.24	22.76	0	0	0	0	10/28/2014	11/3/2014
20141021	77.24	22.76	0	0	0	0	10/21/2014	10/27/2014
20141014	96.15	3.85	0	0	0	0	10/14/2014	10/20/2014
20141007	95.07	4.93	0	0	0	0	10/7/2014	10/13/2014
20140930	92.39	7.61	0	0	0	0	9/30/2014	10/6/2014
20140923	92.39	7.61	0	0	0	0	9/23/2014	9/29/2014
20140916	92.39	7.61	0	0	0	0	9/16/2014	9/22/2014
20140909	92.39	7.61	0	0	0	0	9/9/2014	9/15/2014
20140902	46.11	53.89	0	0	0	0	9/2/2014	9/8/2014
20140826	100	0	0	0	0	0	8/26/2014	9/1/2014
20140819	100	0	0	0	0	0	8/19/2014	8/25/2014
20140812	100	0	0	0	0	0	8/12/2014	8/18/2014
20140805	100	0	0	0	0	0	8/5/2014	8/11/2014
20140729	100	0	0	0	0	0	7/29/2014	8/4/2014
20140722	100	0	0	0	0	0	7/22/2014	7/28/2014
20140715	2.67	97.33	0	0	0	0	7/15/2014	7/21/2014
20140708	2.67	97.33	0	0	0	0	7/8/2014	7/14/2014
20140701	99.61	0.39	0	0	0	0	7/1/2014	7/7/2014
20140624	99.59	0.41	0	0	0	0	6/24/2014	6/30/2014
20140617	100	0	0	0	0	0	6/17/2014	6/23/2014
20140610	100	0	0	0	0	0	6/10/2014	6/16/2014
20140603	100	0	0	0	0	0	6/3/2014	6/9/2014
20140527	100	0	0	0	0	0	5/27/2014	6/2/2014
20140520	100	0	0	0	0	0	5/20/2014	5/26/2014
20140513	100	0	0	0	0	0	5/13/2014	5/19/2014
20140506	100	0	0	0	0	0	5/6/2014	5/12/2014
20140429	100	0	0	0	0	0	4/29/2014	5/5/2014
20140422	100	0	0	0	0	0	4/22/2014	4/28/2014
20140415	100	0	0	0	0	0	4/15/2014	4/21/2014
20140408	100	0	0	0	0	0	4/8/2014	4/14/2014
20140401	100	0	0	0	0	0	4/1/2014	4/7/2014
20140325	100	0	0	0	0	0	3/25/2014	3/31/2014
20140318	100	0	0	0	0	0	3/18/2014	3/24/2014

Drought Event Table

MapDate	None	D0	D1	D2	D3	D4	ValidStart	ValidEnd
20140311	100	0	0	0	0	0	3/11/2014	3/17/2014
20140304	100	0	0	0	0	0	3/4/2014	3/10/2014
20140225	100	0	0	0	0	0	2/25/2014	3/3/2014
20140218	100	0	0	0	0	0	2/18/2014	2/24/2014
20140211	100	0	0	0	0	0	2/11/2014	2/17/2014
20140204	100	0	0	0	0	0	2/4/2014	2/10/2014
20140128	100	0	0	0	0	0	1/28/2014	2/3/2014
20140121	100	0	0	0	0	0	1/21/2014	1/27/2014
20140114	100	0	0	0	0	0	1/14/2014	1/20/2014
20140107	100	0	0	0	0	0	1/7/2014	1/13/2014
20131231	100	0	0	0	0	0	12/31/2013	1/6/2014
20131224	17.86	82.14	0	0	0	0	12/24/2013	12/30/2013
20131217	0	100	0	0	0	0	12/17/2013	12/23/2013
20131210	0	100	0	0	0	0	12/10/2013	12/16/2013
20131203	0	100	0	0	0	0	12/3/2013	12/9/2013
20131126	0	100	0	0	0	0	11/26/2013	12/2/2013
20131119	0	100	0	0	0	0	11/19/2013	11/25/2013
20131112	9.48	90.52	0	0	0	0	11/12/2013	11/18/2013
20131105	19.35	80.65	0	0	0	0	11/5/2013	11/11/2013
20131029	19.35	80.65	0	0	0	0	10/29/2013	11/4/2013
20131022	98.76	1.24	0	0	0	0	10/22/2013	10/28/2013
20131015	100	0	0	0	0	0	10/15/2013	10/21/2013
20131008	100	0	0	0	0	0	10/8/2013	10/14/2013
20131001	100	0	0	0	0	0	10/1/2013	10/7/2013
20130924	100	0	0	0	0	0	9/24/2013	9/30/2013
20130917	100	0	0	0	0	0	9/17/2013	9/23/2013
20130910	100	0	0	0	0	0	9/10/2013	9/16/2013
20130903	100	0	0	0	0	0	9/3/2013	9/9/2013
20130827	100	0	0	0	0	0	8/27/2013	9/2/2013
20130820	100	0	0	0	0	0	8/20/2013	8/26/2013
20130813	100	0	0	0	0	0	8/13/2013	8/19/2013
20130806	100	0	0	0	0	0	8/6/2013	8/12/2013
20130730	100	0	0	0	0	0	7/30/2013	8/5/2013
20130723	100	0	0	0	0	0	7/23/2013	7/29/2013
20130716	100	0	0	0	0	0	7/16/2013	7/22/2013
20130709	100	0	0	0	0	0	7/9/2013	7/15/2013
20130702	100	0	0	0	0	0	7/2/2013	7/8/2013
20130625	100	0	0	0	0	0	6/25/2013	7/1/2013
20130618	100	0	0	0	0	0	6/18/2013	6/24/2013
20130611	100	0	0	0	0	0	6/11/2013	6/17/2013
20130604	100	0	0	0	0	0	6/4/2013	6/10/2013
20130528	100	0	0	0	0	0	5/28/2013	6/3/2013
20130521	100	0	0	0	0	0	5/21/2013	5/27/2013
20130514	100	0	0	0	0	0	5/14/2013	5/20/2013
20130507	100	0	0	0	0	0	5/7/2013	5/13/2013
20130430	100	0	0	0	0	0	4/30/2013	5/6/2013

Drought Event Table

MapDate	None	D0	D1	D2	D3	D4	ValidStart	ValidEnd
20130423	93.03	6.97	0	0	0	0	4/23/2013	4/29/2013
20130416	9.4	90.6	0	0	0	0	4/16/2013	4/22/2013
20130409	0	100	0	0	0	0	4/9/2013	4/15/2013
20130402	0	0	100	0	0	0	4/2/2013	4/8/2013
20130326	0	0	100	0	0	0	3/26/2013	4/1/2013
20130319	0	0	0	100	0	0	3/19/2013	3/25/2013
20130312	0	0	0	100	0	0	3/12/2013	3/18/2013
20130305	0	0	0	100	0	0	3/5/2013	3/11/2013
20130226	0	0	0	100	0	0	2/26/2013	3/4/2013
20130219	0	0	0	0	100	0	2/19/2013	2/25/2013
20130212	0	0	0	0	100	0	2/12/2013	2/18/2013
20130205	0	0	0	0	0	100	2/5/2013	2/11/2013
20130129	0	0	0	0	0	100	1/29/2013	2/4/2013
20130122	0	0	0	0	0	100	1/22/2013	1/28/2013
20130115	0	0	0	0	0	100	1/15/2013	1/21/2013
20130108	0	0	0	0	0	100	1/8/2013	1/14/2013
20130101	0	0	0	0	0	100	1/1/2013	1/7/2013
20121225	0	0	0	0	0	100	12/25/2012	12/31/2012
20121218	0	0	0	0	0	100	12/18/2012	12/24/2012
20121211	0	0	0	0	0	100	12/11/2012	12/17/2012
20121204	0	0	0	0	0	100	12/4/2012	12/10/2012
20121127	0	0	0	0	0	100	11/27/2012	12/3/2012
20121120	0	0	0	0	0	100	11/20/2012	11/26/2012
20121113	0	0	0	0	0	100	11/13/2012	11/19/2012
20121106	0	0	0	0	0	100	11/6/2012	11/12/2012
20121030	0	0	0	0	0	100	10/30/2012	11/5/2012
20121023	0	0	0	0	0	100	10/23/2012	10/29/2012
20121016	0	0	0	0	0	100	10/16/2012	10/22/2012
20121009	0	0	0	0	0	100	10/9/2012	10/15/2012
20121002	0	0	0	0	0	100	10/2/2012	10/8/2012
20120925	0	0	0	0	0	100	9/25/2012	10/1/2012
20120918	0	0	0	0	0	100	9/18/2012	9/24/2012
20120911	0	0	0	0	0	100	9/11/2012	9/17/2012
20120904	0	0	0	0	0	100	9/4/2012	9/10/2012
20120828	0	0	0	0	0	100	8/28/2012	9/3/2012
20120821	0	0	0	0	0	100	8/21/2012	8/27/2012
20120814	0	0	0	0	0	100	8/14/2012	8/20/2012
20120807	0	0	0	0	0	100	8/7/2012	8/13/2012
20120731	0	0	0	0	0	100	7/31/2012	8/6/2012
20120724	0	0	0	0	0	100	7/24/2012	7/30/2012
20120717	0	0	0	0	0	100	7/17/2012	7/23/2012
20120710	0	0	0	0	0	100	7/10/2012	7/16/2012
20120703	0	0	0	0	0	100	7/3/2012	7/9/2012
20120626	0	0	0	0	0	100	6/26/2012	7/2/2012
20120619	0	0	0	0	1.16	98.84	6/19/2012	6/25/2012
20120612	0	0	0	0	1.16	98.84	6/12/2012	6/18/2012

Drought Event Table

MapDate	None	D0	D1	D2	D3	D4	ValidStart	ValidEnd
20120605	0	0	0	0	1.16	98.84	6/5/2012	6/11/2012
20120529	0	0	0	0	0	100	5/29/2012	6/4/2012
20120522	0	0	0	0	0	100	5/22/2012	5/28/2012
20120515	0	0	0	0	0	100	5/15/2012	5/21/2012
20120508	0	0	0	0	98.31	1.69	5/8/2012	5/14/2012
20120501	0	0	0	0	98.31	1.69	5/1/2012	5/7/2012
20120424	0	0	0	0	100	0	4/24/2012	4/30/2012
20120417	0	0	0	0	100	0	4/17/2012	4/23/2012
20120410	0	0	0	0	100	0	4/10/2012	4/16/2012
20120403	0	0	0	0	100	0	4/3/2012	4/9/2012
20120327	0	0	0	0	100	0	3/27/2012	4/2/2012
20120320	0	0	0	0	100	0	3/20/2012	3/26/2012
20120313	0	0	0	0	100	0	3/13/2012	3/19/2012
20120306	0	0	0	0	100	0	3/6/2012	3/12/2012
20120228	0	0	0	0	100	0	2/28/2012	3/5/2012
20120221	0	0	0	0	100	0	2/21/2012	2/27/2012
20120214	0	0	0	0	100	0	2/14/2012	2/20/2012
20120207	0	0	0	0	100	0	2/7/2012	2/13/2012
20120131	0	0	0	0	100	0	1/31/2012	2/6/2012
20120124	0	0	0	0	100	0	1/24/2012	1/30/2012
20120117	0	0	0	0	100	0	1/17/2012	1/23/2012
20120110	0	0	0	0	100	0	1/10/2012	1/16/2012
20120103	0	0	0	0	100	0	1/3/2012	1/9/2012
20111227	0	0	0	0	100	0	12/27/2011	1/2/2012
20111220	0	0	0	0	100	0	12/20/2011	12/26/2011
20111213	0	0	0	0	100	0	12/13/2011	12/19/2011
20111206	0	0	0	0	100	0	12/6/2011	12/12/2011
20111129	0	0	0	0	100	0	11/29/2011	12/5/2011
20111122	0	0	0	0	100	0	11/22/2011	11/28/2011
20111115	0	0	0	0	100	0	11/15/2011	11/21/2011
20111108	0	0	0	0.22	99.78	0	11/8/2011	11/14/2011
20111101	0	0	0	0.22	99.78	0	11/1/2011	11/7/2011
20111025	0	0	0	0.22	99.78	0	10/25/2011	10/31/2011
20111018	0	0	0	0	100	0	10/18/2011	10/24/2011
20111011	0	0	0	0	100	0	10/11/2011	10/17/2011
20111004	0	0	0	0	100	0	10/4/2011	10/10/2011
20110927	0	0	0	0	100	0	9/27/2011	10/3/2011
20110920	0	0	0	0	100	0	9/20/2011	9/26/2011
20110913	0	0	0	0	100	0	9/13/2011	9/19/2011
20110906	0	0	0	0	100	0	9/6/2011	9/12/2011
20110830	0	0	0	0	100	0	8/30/2011	9/5/2011
20110823	0	0	0	4.59	95.41	0	8/23/2011	8/29/2011
20110816	0	0	0	4.59	95.41	0	8/16/2011	8/22/2011
20110809	0	0	0	4.59	95.41	0	8/9/2011	8/15/2011
20110802	0	0	0	4.59	95.41	0	8/2/2011	8/8/2011
20110726	0	0	0	4.59	95.41	0	7/26/2011	8/1/2011

Drought Event Table

MapDate	None	D0	D1	D2	D3	D4	ValidStart	ValidEnd
20110719	0	0	0	4.59	95.41	0	7/19/2011	7/25/2011
20110712	0	0	0	4.59	95.41	0	7/12/2011	7/18/2011
20110705	0	0	0	4.59	95.41	0	7/5/2011	7/11/2011
20110628	0	0	0	4.59	95.41	0	6/28/2011	7/4/2011
20110621	0	0	0	4.59	95.41	0	6/21/2011	6/27/2011
20110614	0	0	3.32	96.68	0	0	6/14/2011	6/20/2011
20110607	0	0	3.32	96.68	0	0	6/7/2011	6/13/2011
20110531	0	0	3.32	96.68	0	0	5/31/2011	6/6/2011
20110524	0	0	40.65	59.35	0	0	5/24/2011	5/30/2011
20110517	0	0	40.65	59.35	0	0	5/17/2011	5/23/2011
20110510	0	0.53	99.47	0	0	0	5/10/2011	5/16/2011
20110503	0	0.76	99.24	0	0	0	5/3/2011	5/9/2011
20110426	0	0.28	99.72	0	0	0	4/26/2011	5/2/2011
20110419	0	0.28	99.72	0	0	0	4/19/2011	4/25/2011
20110412	0	0.28	99.72	0	0	0	4/12/2011	4/18/2011
20110405	0.28	0	99.72	0	0	0	4/5/2011	4/11/2011
20110329	0	6.76	93.24	0	0	0	3/29/2011	4/4/2011
20110322	0	0	100	0	0	0	3/22/2011	3/28/2011
20110315	0	0	100	0	0	0	3/15/2011	3/21/2011
20110308	0	0	100	0	0	0	3/8/2011	3/14/2011
20110301	0	0	100	0	0	0	3/1/2011	3/7/2011
20110222	0	0	100	0	0	0	2/22/2011	2/28/2011
20110215	0	0	100	0	0	0	2/15/2011	2/21/2011
20110208	0	0	100	0	0	0	2/8/2011	2/14/2011
20110201	0	0	100	0	0	0	2/1/2011	2/7/2011
20110125	0	0	100	0	0	0	1/25/2011	1/31/2011
20110118	0	0	100	0	0	0	1/18/2011	1/24/2011
20110111	0	0	100	0	0	0	1/11/2011	1/17/2011
20110104	0	0	100	0	0	0	1/4/2011	1/10/2011
20101228	0	0	100	0	0	0	12/28/2010	1/3/2011
20101221	0	0	100	0	0	0	12/21/2010	12/27/2010
20101214	0	0	100	0	0	0	12/14/2010	12/20/2010
20101207	0	0	100	0	0	0	12/7/2010	12/13/2010
20101130	0	0	100	0	0	0	11/30/2010	12/6/2010
20101123	0	0	100	0	0	0	11/23/2010	11/29/2010
20101116	0	100	0	0	0	0	11/16/2010	11/22/2010
20101109	0	100	0	0	0	0	11/9/2010	11/15/2010
20101102	0	100	0	0	0	0	11/2/2010	11/8/2010
20101026	0.02	99.98	0	0	0	0	10/26/2010	11/1/2010
20101019	0.01	99.99	0	0	0	0	10/19/2010	10/25/2010
20101012	0.01	99.99	0	0	0	0	10/12/2010	10/18/2010
20101005	0.01	99.99	0	0	0	0	10/5/2010	10/11/2010
20100928	0	100	0	0	0	0	9/28/2010	10/4/2010
20100921	0	100	0	0	0	0	9/21/2010	9/27/2010
20100914	0	100	0	0	0	0	9/14/2010	9/20/2010
20100907	100	0	0	0	0	0	9/7/2010	9/13/2010

Drought Event Table

MapDate	None	D0	D1	D2	D3	D4	ValidStart	ValidEnd
20100831	100	0	0	0	0	0	8/31/2010	9/6/2010
20100824	100	0	0	0	0	0	8/24/2010	8/30/2010
20100817	92.5	7.5	0	0	0	0	8/17/2010	8/23/2010
20100810	92.92	7.08	0	0	0	0	8/10/2010	8/16/2010
20100803	92.92	7.08	0	0	0	0	8/3/2010	8/9/2010
20100727	92.54	7.46	0	0	0	0	7/27/2010	8/2/2010
20100720	92.61	7.39	0	0	0	0	7/20/2010	7/26/2010
20100713	100	0	0	0	0	0	7/13/2010	7/19/2010
20100706	100	0	0	0	0	0	7/6/2010	7/12/2010
20100629	100	0	0	0	0	0	6/29/2010	7/5/2010
20100622	100	0	0	0	0	0	6/22/2010	6/28/2010
20100615	100	0	0	0	0	0	6/15/2010	6/21/2010
20100608	100	0	0	0	0	0	6/8/2010	6/14/2010
20100601	100	0	0	0	0	0	6/1/2010	6/7/2010
20100525	100	0	0	0	0	0	5/25/2010	5/31/2010
20100518	100	0	0	0	0	0	5/18/2010	5/24/2010
20100511	100	0	0	0	0	0	5/11/2010	5/17/2010
20100504	100	0	0	0	0	0	5/4/2010	5/10/2010
20100427	100	0	0	0	0	0	4/27/2010	5/3/2010
20100420	100	0	0	0	0	0	4/20/2010	4/26/2010
20100413	100	0	0	0	0	0	4/13/2010	4/19/2010
20100406	100	0	0	0	0	0	4/6/2010	4/12/2010
20100330	100	0	0	0	0	0	3/30/2010	4/5/2010
20100323	100	0	0	0	0	0	3/23/2010	3/29/2010
20100316	100	0	0	0	0	0	3/16/2010	3/22/2010
20100309	100	0	0	0	0	0	3/9/2010	3/15/2010
20100302	100	0	0	0	0	0	3/2/2010	3/8/2010
20100223	100	0	0	0	0	0	2/23/2010	3/1/2010
20100216	100	0	0	0	0	0	2/16/2010	2/22/2010
20100209	100	0	0	0	0	0	2/9/2010	2/15/2010
20100202	100	0	0	0	0	0	2/2/2010	2/8/2010
20100126	100	0	0	0	0	0	1/26/2010	2/1/2010
20100119	100	0	0	0	0	0	1/19/2010	1/25/2010
20100112	100	0	0	0	0	0	1/12/2010	1/18/2010
20100105	100	0	0	0	0	0	1/5/2010	1/11/2010
20091229	100	0	0	0	0	0	12/29/2009	1/4/2010
20091222	100	0	0	0	0	0	12/22/2009	12/28/2009
20091215	100	0	0	0	0	0	12/15/2009	12/21/2009
20091208	100	0	0	0	0	0	12/8/2009	12/14/2009
20091201	100	0	0	0	0	0	12/1/2009	12/7/2009
20091124	100	0	0	0	0	0	11/24/2009	11/30/2009
20091117	100	0	0	0	0	0	11/17/2009	11/23/2009
20091110	100	0	0	0	0	0	11/10/2009	11/16/2009
20091103	100	0	0	0	0	0	11/3/2009	11/9/2009
20091027	100	0	0	0	0	0	10/27/2009	11/2/2009
20091020	100	0	0	0	0	0	10/20/2009	10/26/2009

Drought Event Table

MapDate	None	D0	D1	D2	D3	D4	ValidStart	ValidEnd
20091013	100	0	0	0	0	0	10/13/2009	10/19/2009
20091006	100	0	0	0	0	0	10/6/2009	10/12/2009
20090929	100	0	0	0	0	0	9/29/2009	10/5/2009
20090922	100	0	0	0	0	0	9/22/2009	9/28/2009
20090915	0.17	99.83	0	0	0	0	9/15/2009	9/21/2009
20090908	0	100	0	0	0	0	9/8/2009	9/14/2009
20090901	0	100	0	0	0	0	9/1/2009	9/7/2009
20090825	0	100	0	0	0	0	8/25/2009	8/31/2009
20090818	0	100	0	0	0	0	8/18/2009	8/24/2009
20090811	0	100	0	0	0	0	8/11/2009	8/17/2009
20090804	0	100	0	0	0	0	8/4/2009	8/10/2009
20090728	0	100	0	0	0	0	7/28/2009	8/3/2009
20090721	0	100	0	0	0	0	7/21/2009	7/27/2009
20090714	0	100	0	0	0	0	7/14/2009	7/20/2009
20090707	0	100	0	0	0	0	7/7/2009	7/13/2009
20090630	100	0	0	0	0	0	6/30/2009	7/6/2009
20090623	100	0	0	0	0	0	6/23/2009	6/29/2009
20090616	100	0	0	0	0	0	6/16/2009	6/22/2009
20090609	100	0	0	0	0	0	6/9/2009	6/15/2009
20090602	100	0	0	0	0	0	6/2/2009	6/8/2009
20090526	100	0	0	0	0	0	5/26/2009	6/1/2009
20090519	100	0	0	0	0	0	5/19/2009	5/25/2009
20090512	100	0	0	0	0	0	5/12/2009	5/18/2009
20090505	100	0	0	0	0	0	5/5/2009	5/11/2009
20090428	100	0	0	0	0	0	4/28/2009	5/4/2009
20090421	100	0	0	0	0	0	4/21/2009	4/27/2009
20090414	100	0	0	0	0	0	4/14/2009	4/20/2009
20090407	100	0	0	0	0	0	4/7/2009	4/13/2009
20090331	0	100	0	0	0	0	3/31/2009	4/6/2009
20090324	0	0	100	0	0	0	3/24/2009	3/30/2009
20090317	0	0	100	0	0	0	3/17/2009	3/23/2009
20090310	0	0	100	0	0	0	3/10/2009	3/16/2009
20090303	0	0	100	0	0	0	3/3/2009	3/9/2009
20090224	0	0	100	0	0	0	2/24/2009	3/2/2009
20090217	0	100	0	0	0	0	2/17/2009	2/23/2009
20090210	0	100	0	0	0	0	2/10/2009	2/16/2009
20090203	100	0	0	0	0	0	2/3/2009	2/9/2009
20090127	100	0	0	0	0	0	1/27/2009	2/2/2009
20090120	100	0	0	0	0	0	1/20/2009	1/26/2009
20090113	100	0	0	0	0	0	1/13/2009	1/19/2009
20090106	49.44	50.56	0	0	0	0	1/6/2009	1/12/2009
20081230	49.44	50.56	0	0	0	0	12/30/2008	1/5/2009
20081223	49.44	50.56	0	0	0	0	12/23/2008	12/29/2008
20081216	49.44	50.56	0	0	0	0	12/16/2008	12/22/2008
20081209	0	4.27	48.71	47.02	0	0	12/9/2008	12/15/2008
20081202	0	0	6.19	50.55	43.26	0	12/2/2008	12/8/2008

Drought Event Table

MapDate	None	D0	D1	D2	D3	D4	ValidStart	ValidEnd
20081125	0	0	0	56.74	43.26	0	11/25/2008	12/1/2008
20081118	0	0	0	56.74	43.26	0	11/18/2008	11/24/2008
20081111	0	0	0	30.74	69.26	0	11/11/2008	11/17/2008
20081104	0	0	0	30.74	69.26	0	11/4/2008	11/10/2008
20081028	0	0	0	30.74	69.26	0	10/28/2008	11/3/2008
20081021	0	0	0	0.01	99.99	0	10/21/2008	10/27/2008
20081014	0	0	0	0.01	99.99	0	10/14/2008	10/20/2008
20081007	0	0	0	0	100	0	10/7/2008	10/13/2008
20080930	0	0	0	0	100	0	9/30/2008	10/6/2008
20080923	0	0	0	100	0	0	9/23/2008	9/29/2008
20080916	0	0	0	100	0	0	9/16/2008	9/22/2008
20080909	0	0	0	100	0	0	9/9/2008	9/15/2008
20080902	0	0	0	100	0	0	9/2/2008	9/8/2008
20080826	0	0	0	100	0	0	8/26/2008	9/1/2008
20080819	0	0	0	83.04	16.96	0	8/19/2008	8/25/2008
20080812	0	0	0	83.04	16.96	0	8/12/2008	8/18/2008
20080805	0	0	0	99.99	0.01	0	8/5/2008	8/11/2008
20080729	0	0	0	99.99	0.01	0	7/29/2008	8/4/2008
20080722	0	0	0	99.99	0.01	0	7/22/2008	7/28/2008
20080715	0	0	0	99.99	0.01	0	7/15/2008	7/21/2008
20080708	0	0	0	99.99	0.01	0	7/8/2008	7/14/2008
20080701	0	0	0	99.99	0.01	0	7/1/2008	7/7/2008
20080624	0	0	100	0	0	0	6/24/2008	6/30/2008
20080617	0	0	100	0	0	0	6/17/2008	6/23/2008
20080610	0	0	100	0	0	0	6/10/2008	6/16/2008
20080603	0	0	100	0	0	0	6/3/2008	6/9/2008
20080527	0	2.47	97.53	0	0	0	5/27/2008	6/2/2008
20080520	0	2.47	97.53	0	0	0	5/20/2008	5/26/2008
20080513	0	2.47	97.53	0	0	0	5/13/2008	5/19/2008
20080506	0	2.47	97.53	0	0	0	5/6/2008	5/12/2008
20080429	0	2.47	97.53	0	0	0	4/29/2008	5/5/2008
20080422	0	2.47	97.53	0	0	0	4/22/2008	4/28/2008
20080415	0	2.47	97.53	0	0	0	4/15/2008	4/21/2008
20080408	0	2.47	97.53	0	0	0	4/8/2008	4/14/2008
20080401	0	2.47	97.53	0	0	0	4/1/2008	4/7/2008
20080325	0	2.47	97.53	0	0	0	3/25/2008	3/31/2008
20080318	0	2.47	97.53	0	0	0	3/18/2008	3/24/2008
20080311	0	2.47	97.53	0	0	0	3/11/2008	3/17/2008
20080304	0	0	19.77	80.23	0	0	3/4/2008	3/10/2008
20080226	0	0	19.77	80.23	0	0	2/26/2008	3/3/2008
20080219	0	0	0.39	73.75	25.86	0	2/19/2008	2/25/2008
20080212	0	0	0.39	69.32	30.29	0	2/12/2008	2/18/2008
20080205	0	0	0.39	69.32	30.29	0	2/5/2008	2/11/2008
20080129	0	0	0.39	69.32	30.29	0	1/29/2008	2/4/2008
20080122	0	0	0.39	69.32	30.29	0	1/22/2008	1/28/2008
20080115	0	0	0	9.68	90.32	0	1/15/2008	1/21/2008

Drought Event Table

MapDate	None	D0	D1	D2	D3	D4	ValidStart	ValidEnd
20080108	0	0	0	9.68	90.32	0	1/8/2008	1/14/2008
20080101	0	0	0	9.68	90.32	0	1/1/2008	1/7/2008
20071225	0	0	0	0	10.99	89.01	12/25/2007	12/31/2007
20071218	0	0	0	0	10.99	89.01	12/18/2007	12/24/2007
20071211	0	0	0	0	10.99	89.01	12/11/2007	12/17/2007
20071204	0	0	0	8	73.95	18.05	12/4/2007	12/10/2007
20071127	0	0	0	35.81	64.13	0.07	11/27/2007	12/3/2007
20071120	0	0	0	35.81	64.13	0.07	11/20/2007	11/26/2007
20071113	0	0	0	35.81	64.13	0.07	11/13/2007	11/19/2007
20071106	0	0	20.68	59.42	19.9	0	11/6/2007	11/12/2007
20071030	0	0	20.68	59.42	19.9	0	10/30/2007	11/5/2007
20071023	0	0	20.68	59.42	19.9	0	10/23/2007	10/29/2007
20071016	0	0	20.68	59.42	19.9	0	10/16/2007	10/22/2007
20071009	0	14.29	61.71	23.99	0	0	10/9/2007	10/15/2007
20071002	0	0	78.7	21.3	0	0	10/2/2007	10/8/2007
20070925	0	0	78.7	21.3	0	0	9/25/2007	10/1/2007
20070918	0	0	78.7	21.3	0	0	9/18/2007	9/24/2007
20070911	0	0	10.6	89.4	0	0	9/11/2007	9/17/2007
20070904	0	0	34.26	65.74	0	0	9/4/2007	9/10/2007
20070828	0	0	0	50.54	49.46	0	8/28/2007	9/3/2007
20070821	0	0	0	45.4	54.6	0	8/21/2007	8/27/2007
20070814	0	0	49.68	50.32	0	0	8/14/2007	8/20/2007
20070807	0	0	54.57	45.43	0	0	8/7/2007	8/13/2007
20070731	0	0	96.65	3.35	0	0	7/31/2007	8/6/2007
20070724	0	0	96.65	3.35	0	0	7/24/2007	7/30/2007
20070717	0	0	96.65	3.35	0	0	7/17/2007	7/23/2007
20070710	0	0	96.65	3.35	0	0	7/10/2007	7/16/2007
20070703	0	0	96.65	3.35	0	0	7/3/2007	7/9/2007
20070626	0	0	96.65	3.35	0	0	6/26/2007	7/2/2007
20070619	0	0	96.65	3.35	0	0	6/19/2007	6/25/2007
20070612	0	0	96.65	3.35	0	0	6/12/2007	6/18/2007
20070605	0	0	100	0	0	0	6/5/2007	6/11/2007
20070529	0	0	0	100	0	0	5/29/2007	6/4/2007
20070522	0	0	0	100	0	0	5/22/2007	5/28/2007
20070515	0	0	100	0	0	0	5/15/2007	5/21/2007
20070508	0	0	100	0	0	0	5/8/2007	5/14/2007
20070501	0	0	100	0	0	0	5/1/2007	5/7/2007
20070424	0	0	100	0	0	0	4/24/2007	4/30/2007
20070417	0	100	0	0	0	0	4/17/2007	4/23/2007
20070410	0	100	0	0	0	0	4/10/2007	4/16/2007
20070403	0	100	0	0	0	0	4/3/2007	4/9/2007
20070327	0	100	0	0	0	0	3/27/2007	4/2/2007
20070320	0	100	0	0	0	0	3/20/2007	3/26/2007
20070313	43.28	56.72	0	0	0	0	3/13/2007	3/19/2007
20070306	100	0	0	0	0	0	3/6/2007	3/12/2007
20070227	0	100	0	0	0	0	2/27/2007	3/5/2007

Drought Event Table

MapDate	None	D0	D1	D2	D3	D4	ValidStart	ValidEnd
20070220	0	100	0	0	0	0	2/20/2007	2/26/2007
20070213	100	0	0	0	0	0	2/13/2007	2/19/2007
20070206	100	0	0	0	0	0	2/6/2007	2/12/2007
20070130	100	0	0	0	0	0	1/30/2007	2/5/2007
20070123	100	0	0	0	0	0	1/23/2007	1/29/2007
20070116	100	0	0	0	0	0	1/16/2007	1/22/2007
20070109	0	100	0	0	0	0	1/9/2007	1/15/2007
20070102	0	100	0	0	0	0	1/2/2007	1/8/2007
20061226	0	100	0	0	0	0	12/26/2006	1/1/2007
20061219	0	100	0	0	0	0	12/19/2006	12/25/2006
20061212	0	100	0	0	0	0	12/12/2006	12/18/2006
20061205	100	0	0	0	0	0	12/5/2006	12/11/2006
20061128	100	0	0	0	0	0	11/28/2006	12/4/2006
20061121	46.93	53.07	0	0	0	0	11/21/2006	11/27/2006
20061114	0	52.08	47.92	0	0	0	11/14/2006	11/20/2006
20061107	0	52.08	47.92	0	0	0	11/7/2006	11/13/2006
20061031	0	52.08	47.92	0	0	0	10/31/2006	11/6/2006
20061024	0	0	100	0	0	0	10/24/2006	10/30/2006
20061017	0	0	100	0	0	0	10/17/2006	10/23/2006
20061010	0	0	100	0	0	0	10/10/2006	10/16/2006
20061003	0	0	100	0	0	0	10/3/2006	10/9/2006
20060926	0	4.45	95.55	0	0	0	9/26/2006	10/2/2006
20060919	0	4.45	95.55	0	0	0	9/19/2006	9/25/2006
20060912	0	0	80.47	19.53	0	0	9/12/2006	9/18/2006
20060905	0	0	80.47	19.53	0	0	9/5/2006	9/11/2006
20060829	0	0	80.47	19.53	0	0	8/29/2006	9/4/2006
20060822	0	0	3.8	96.2	0	0	8/22/2006	8/28/2006
20060815	0	0	96.95	3.05	0	0	8/15/2006	8/21/2006
20060808	0	0	96.95	3.05	0	0	8/8/2006	8/14/2006
20060801	0	0	73.39	26.61	0	0	8/1/2006	8/7/2006
20060725	0	0	72.26	27.74	0	0	7/25/2006	7/31/2006
20060718	0	0	100	0	0	0	7/18/2006	7/24/2006
20060711	0	0	100	0	0	0	7/11/2006	7/17/2006
20060704	0	0	100	0	0	0	7/4/2006	7/10/2006
20060627	0	0	100	0	0	0	6/27/2006	7/3/2006
20060620	0	0	100	0	0	0	6/20/2006	6/26/2006
20060613	0	0	100	0	0	0	6/13/2006	6/19/2006
20060606	0	42.85	57.15	0	0	0	6/6/2006	6/12/2006
20060530	0	100	0	0	0	0	5/30/2006	6/5/2006
20060523	0	100	0	0	0	0	5/23/2006	5/29/2006
20060516	0	100	0	0	0	0	5/16/2006	5/22/2006
20060509	0	100	0	0	0	0	5/9/2006	5/15/2006
20060502	0	100	0	0	0	0	5/2/2006	5/8/2006
20060425	0	100	0	0	0	0	4/25/2006	5/1/2006
20060418	0	100	0	0	0	0	4/18/2006	4/24/2006
20060411	0	100	0	0	0	0	4/11/2006	4/17/2006

Drought Event Table

MapDate	None	D0	D1	D2	D3	D4	ValidStart	ValidEnd
20060404	0	100	0	0	0	0	4/4/2006	4/10/2006
20060328	100	0	0	0	0	0	3/28/2006	4/3/2006
20060321	100	0	0	0	0	0	3/21/2006	3/27/2006
20060314	100	0	0	0	0	0	3/14/2006	3/20/2006
20060307	100	0	0	0	0	0	3/7/2006	3/13/2006
20060228	100	0	0	0	0	0	2/28/2006	3/6/2006
20060221	100	0	0	0	0	0	2/21/2006	2/27/2006
20060214	100	0	0	0	0	0	2/14/2006	2/20/2006
20060207	100	0	0	0	0	0	2/7/2006	2/13/2006
20060131	100	0	0	0	0	0	1/31/2006	2/6/2006
20060124	100	0	0	0	0	0	1/24/2006	1/30/2006
20060117	100	0	0	0	0	0	1/17/2006	1/23/2006
20060110	100	0	0	0	0	0	1/10/2006	1/16/2006
20060103	100	0	0	0	0	0	1/3/2006	1/9/2006
20051227	100	0	0	0	0	0	12/27/2005	1/2/2006
20051220	100	0	0	0	0	0	12/20/2005	12/26/2005
20051213	100	0	0	0	0	0	12/13/2005	12/19/2005
20051206	100	0	0	0	0	0	12/6/2005	12/12/2005
20051129	100	0	0	0	0	0	11/29/2005	12/5/2005
20051122	10.55	89.45	0	0	0	0	11/22/2005	11/28/2005
20051115	23.04	76.96	0	0	0	0	11/15/2005	11/21/2005
20051108	100	0	0	0	0	0	11/8/2005	11/14/2005
20051101	100	0	0	0	0	0	11/1/2005	11/7/2005
20051025	100	0	0	0	0	0	10/25/2005	10/31/2005
20051018	100	0	0	0	0	0	10/18/2005	10/24/2005
20051011	100	0	0	0	0	0	10/11/2005	10/17/2005
20051004	100	0	0	0	0	0	10/4/2005	10/10/2005
20050927	99.84	0.16	0	0	0	0	9/27/2005	10/3/2005
20050920	100	0	0	0	0	0	9/20/2005	9/26/2005
20050913	100	0	0	0	0	0	9/13/2005	9/19/2005
20050906	100	0	0	0	0	0	9/6/2005	9/12/2005
20050830	100	0	0	0	0	0	8/30/2005	9/5/2005
20050823	100	0	0	0	0	0	8/23/2005	8/29/2005
20050816	100	0	0	0	0	0	8/16/2005	8/22/2005
20050809	100	0	0	0	0	0	8/9/2005	8/15/2005
20050802	100	0	0	0	0	0	8/2/2005	8/8/2005
20050726	100	0	0	0	0	0	7/26/2005	8/1/2005
20050719	100	0	0	0	0	0	7/19/2005	7/25/2005
20050712	100	0	0	0	0	0	7/12/2005	7/18/2005
20050705	100	0	0	0	0	0	7/5/2005	7/11/2005
20050628	100	0	0	0	0	0	6/28/2005	7/4/2005
20050621	100	0	0	0	0	0	6/21/2005	6/27/2005
20050614	100	0	0	0	0	0	6/14/2005	6/20/2005
20050607	100	0	0	0	0	0	6/7/2005	6/13/2005
20050531	100	0	0	0	0	0	5/31/2005	6/6/2005
20050524	100	0	0	0	0	0	5/24/2005	5/30/2005

Drought Event Table

MapDate	None	D0	D1	D2	D3	D4	ValidStart	ValidEnd
20050517	100	0	0	0	0	0	5/17/2005	5/23/2005
20050510	100	0	0	0	0	0	5/10/2005	5/16/2005
20050503	100	0	0	0	0	0	5/3/2005	5/9/2005
20050426	100	0	0	0	0	0	4/26/2005	5/2/2005
20050419	100	0	0	0	0	0	4/19/2005	4/25/2005
20050412	100	0	0	0	0	0	4/12/2005	4/18/2005
20050405	100	0	0	0	0	0	4/5/2005	4/11/2005
20050329	100	0	0	0	0	0	3/29/2005	4/4/2005
20050322	100	0	0	0	0	0	3/22/2005	3/28/2005
20050315	100	0	0	0	0	0	3/15/2005	3/21/2005
20050308	100	0	0	0	0	0	3/8/2005	3/14/2005
20050301	100	0	0	0	0	0	3/1/2005	3/7/2005
20050222	100	0	0	0	0	0	2/22/2005	2/28/2005
20050215	100	0	0	0	0	0	2/15/2005	2/21/2005
20050208	100	0	0	0	0	0	2/8/2005	2/14/2005
20050201	100	0	0	0	0	0	2/1/2005	2/7/2005
20050125	100	0	0	0	0	0	1/25/2005	1/31/2005
20050118	100	0	0	0	0	0	1/18/2005	1/24/2005
20050111	100	0	0	0	0	0	1/11/2005	1/17/2005
20050104	100	0	0	0	0	0	1/4/2005	1/10/2005
20041228	100	0	0	0	0	0	12/28/2004	1/3/2005
20041221	100	0	0	0	0	0	12/21/2004	12/27/2004
20041214	100	0	0	0	0	0	12/14/2004	12/20/2004
20041207	100	0	0	0	0	0	12/7/2004	12/13/2004
20041130	100	0	0	0	0	0	11/30/2004	12/6/2004
20041123	100	0	0	0	0	0	11/23/2004	11/29/2004
20041116	100	0	0	0	0	0	11/16/2004	11/22/2004
20041109	100	0	0	0	0	0	11/9/2004	11/15/2004
20041102	100	0	0	0	0	0	11/2/2004	11/8/2004
20041026	100	0	0	0	0	0	10/26/2004	11/1/2004
20041019	100	0	0	0	0	0	10/19/2004	10/25/2004
20041012	100	0	0	0	0	0	10/12/2004	10/18/2004
20041005	100	0	0	0	0	0	10/5/2004	10/11/2004
20040928	100	0	0	0	0	0	9/28/2004	10/4/2004
20040921	100	0	0	0	0	0	9/21/2004	9/27/2004
20040914	100	0	0	0	0	0	9/14/2004	9/20/2004
20040907	100	0	0	0	0	0	9/7/2004	9/13/2004
20040831	76.65	23.35	0	0	0	0	8/31/2004	9/6/2004
20040824	0	100	0	0	0	0	8/24/2004	8/30/2004
20040817	0.82	99.18	0	0	0	0	8/17/2004	8/23/2004
20040810	0	100	0	0	0	0	8/10/2004	8/16/2004
20040803	0	100	0	0	0	0	8/3/2004	8/9/2004
20040727	0	100	0	0	0	0	7/27/2004	8/2/2004
20040720	0	100	0	0	0	0	7/20/2004	7/26/2004
20040713	0	100	0	0	0	0	7/13/2004	7/19/2004
20040706	0	100	0	0	0	0	7/6/2004	7/12/2004

Drought Event Table

MapDate	None	D0	D1	D2	D3	D4	ValidStart	ValidEnd
20040629	0	0	100	0	0	0	6/29/2004	7/5/2004
20040622	0	0	0	100	0	0	6/22/2004	6/28/2004
20040615	0	0	0	100	0	0	6/15/2004	6/21/2004
20040608	0	0	0	100	0	0	6/8/2004	6/14/2004
20040601	0	0	0	100	0	0	6/1/2004	6/7/2004
20040525	0	0	0	100	0	0	5/25/2004	5/31/2004
20040518	0	0	100	0	0	0	5/18/2004	5/24/2004
20040511	0	0	100	0	0	0	5/11/2004	5/17/2004
20040504	0	0	100	0	0	0	5/4/2004	5/10/2004
20040427	0	0	100	0	0	0	4/27/2004	5/3/2004
20040420	0	0	100	0	0	0	4/20/2004	4/26/2004
20040413	0	100	0	0	0	0	4/13/2004	4/19/2004
20040406	0	100	0	0	0	0	4/6/2004	4/12/2004
20040330	0	100	0	0	0	0	3/30/2004	4/5/2004
20040323	0	100	0	0	0	0	3/23/2004	3/29/2004
20040316	100	0	0	0	0	0	3/16/2004	3/22/2004
20040309	100	0	0	0	0	0	3/9/2004	3/15/2004
20040302	100	0	0	0	0	0	3/2/2004	3/8/2004
20040224	100	0	0	0	0	0	2/24/2004	3/1/2004
20040217	100	0	0	0	0	0	2/17/2004	2/23/2004
20040210	100	0	0	0	0	0	2/10/2004	2/16/2004
20040203	100	0	0	0	0	0	2/3/2004	2/9/2004
20040127	100	0	0	0	0	0	1/27/2004	2/2/2004
20040120	100	0	0	0	0	0	1/20/2004	1/26/2004
20040113	100	0	0	0	0	0	1/13/2004	1/19/2004
20040106	100	0	0	0	0	0	1/6/2004	1/12/2004
20031230	100	0	0	0	0	0	12/30/2003	1/5/2004
20031223	100	0	0	0	0	0	12/23/2003	12/29/2003
20031216	100	0	0	0	0	0	12/16/2003	12/22/2003
20031209	100	0	0	0	0	0	12/9/2003	12/15/2003
20031202	100	0	0	0	0	0	12/2/2003	12/8/2003
20031125	100	0	0	0	0	0	11/25/2003	12/1/2003
20031118	100	0	0	0	0	0	11/18/2003	11/24/2003
20031111	100	0	0	0	0	0	11/11/2003	11/17/2003
20031104	100	0	0	0	0	0	11/4/2003	11/10/2003
20031028	100	0	0	0	0	0	10/28/2003	11/3/2003
20031021	100	0	0	0	0	0	10/21/2003	10/27/2003
20031014	100	0	0	0	0	0	10/14/2003	10/20/2003
20031007	100	0	0	0	0	0	10/7/2003	10/13/2003
20030930	100	0	0	0	0	0	9/30/2003	10/6/2003
20030923	100	0	0	0	0	0	9/23/2003	9/29/2003
20030916	100	0	0	0	0	0	9/16/2003	9/22/2003
20030909	100	0	0	0	0	0	9/9/2003	9/15/2003
20030902	100	0	0	0	0	0	9/2/2003	9/8/2003
20030826	100	0	0	0	0	0	8/26/2003	9/1/2003
20030819	100	0	0	0	0	0	8/19/2003	8/25/2003

Drought Event Table

MapDate	None	D0	D1	D2	D3	D4	ValidStart	ValidEnd
20030812	100	0	0	0	0	0	8/12/2003	8/18/2003
20030805	100	0	0	0	0	0	8/5/2003	8/11/2003
20030729	100	0	0	0	0	0	7/29/2003	8/4/2003
20030722	100	0	0	0	0	0	7/22/2003	7/28/2003
20030715	100	0	0	0	0	0	7/15/2003	7/21/2003
20030708	100	0	0	0	0	0	7/8/2003	7/14/2003
20030701	100	0	0	0	0	0	7/1/2003	7/7/2003
20030624	100	0	0	0	0	0	6/24/2003	6/30/2003
20030617	100	0	0	0	0	0	6/17/2003	6/23/2003
20030610	100	0	0	0	0	0	6/10/2003	6/16/2003
20030603	100	0	0	0	0	0	6/3/2003	6/9/2003
20030527	100	0	0	0	0	0	5/27/2003	6/2/2003
20030520	100	0	0	0	0	0	5/20/2003	5/26/2003
20030513	100	0	0	0	0	0	5/13/2003	5/19/2003
20030506	100	0	0	0	0	0	5/6/2003	5/12/2003
20030429	100	0	0	0	0	0	4/29/2003	5/5/2003
20030422	100	0	0	0	0	0	4/22/2003	4/28/2003
20030415	100	0	0	0	0	0	4/15/2003	4/21/2003
20030408	100	0	0	0	0	0	4/8/2003	4/14/2003
20030401	100	0	0	0	0	0	4/1/2003	4/7/2003
20030325	100	0	0	0	0	0	3/25/2003	3/31/2003
20030318	64.69	35.31	0	0	0	0	3/18/2003	3/24/2003
20030311	71.17	28.83	0	0	0	0	3/11/2003	3/17/2003
20030304	99.92	0.08	0	0	0	0	3/4/2003	3/10/2003
20030225	78.13	21.87	0	0	0	0	2/25/2003	3/3/2003
20030218	79.9	20.1	0	0	0	0	2/18/2003	2/24/2003
20030211	93.62	6.38	0	0	0	0	2/11/2003	2/17/2003
20030204	92.76	7.24	0	0	0	0	2/4/2003	2/10/2003
20030128	100	0	0	0	0	0	1/28/2003	2/3/2003
20030121	100	0	0	0	0	0	1/21/2003	1/27/2003
20030114	100	0	0	0	0	0	1/14/2003	1/20/2003
20030107	100	0	0	0	0	0	1/7/2003	1/13/2003
20021231	100	0	0	0	0	0	12/31/2002	1/6/2003
20021224	0	100	0	0	0	0	12/24/2002	12/30/2002
20021217	0	100	0	0	0	0	12/17/2002	12/23/2002
20021210	0	0	100	0	0	0	12/10/2002	12/16/2002
20021203	0	0	100	0	0	0	12/3/2002	12/9/2002
20021126	0	0	100	0	0	0	11/26/2002	12/2/2002
20021119	0	0	100	0	0	0	11/19/2002	11/25/2002
20021112	0	0	100	0	0	0	11/12/2002	11/18/2002
20021105	0	0	0	100	0	0	11/5/2002	11/11/2002
20021029	0	0	0	100	0	0	10/29/2002	11/4/2002
20021022	0	0	0	100	0	0	10/22/2002	10/28/2002
20021015	0	0	0	100	0	0	10/15/2002	10/21/2002
20021008	0	0	0	100	0	0	10/8/2002	10/14/2002
20021001	0	0	0	100	0	0	10/1/2002	10/7/2002

Drought Event Table

MapDate	None	D0	D1	D2	D3	D4	ValidStart	ValidEnd
20020924	0	0	0	100	0	0	9/24/2002	9/30/2002
20020917	0	0	0	0	100	0	9/17/2002	9/23/2002
20020910	0	0	0	0	0.05	99.95	9/10/2002	9/16/2002
20020903	0	0	0	0	0	100	9/3/2002	9/9/2002
20020827	0	0	0	0	0	100	8/27/2002	9/2/2002
20020820	0	0	0	0	0	100	8/20/2002	8/26/2002
20020813	0	0	0	0	0	100	8/13/2002	8/19/2002
20020806	0	0	0	0	100	0	8/6/2002	8/12/2002
20020730	0	0	0	0	100	0	7/30/2002	8/5/2002
20020723	0	0	0	0	100	0	7/23/2002	7/29/2002
20020716	0	0	0	0	100	0	7/16/2002	7/22/2002
20020709	0	0	0	0	100	0	7/9/2002	7/15/2002
20020702	0	0	0	0	100	0	7/2/2002	7/8/2002
20020625	0	0	0	0	100	0	6/25/2002	7/1/2002
20020618	0	0	0	21.27	78.73	0	6/18/2002	6/24/2002
20020611	0	0	0	42.28	57.72	0	6/11/2002	6/17/2002
20020604	0	0	0	26.7	73.3	0	6/4/2002	6/10/2002
20020528	0	0	0	13.16	86.84	0	5/28/2002	6/3/2002
20020521	0	0	0	2.61	97.39	0	5/21/2002	5/27/2002
20020514	0	0	0	17.89	82.11	0	5/14/2002	5/20/2002
20020507	0	0	0	30.74	69.26	0	5/7/2002	5/13/2002
20020430	0	0	0	89.92	10.08	0	4/30/2002	5/6/2002
20020423	0	0	0	100	0	0	4/23/2002	4/29/2002
20020416	0	0	0	100	0	0	4/16/2002	4/22/2002
20020409	0	0	0	100	0	0	4/9/2002	4/15/2002
20020402	0	0	0	100	0	0	4/2/2002	4/8/2002
20020326	0	0	0	0	100	0	3/26/2002	4/1/2002
20020319	0	0	0	0	100	0	3/19/2002	3/25/2002
20020312	0	0	0	0	100	0	3/12/2002	3/18/2002
20020305	0	0	0	0	100	0	3/5/2002	3/11/2002
20020226	0	0	0	0	100	0	2/26/2002	3/4/2002
20020219	0	0	0	0	100	0	2/19/2002	2/25/2002
20020212	0	0	0	0	100	0	2/12/2002	2/18/2002
20020205	0	0	0	0	100	0	2/5/2002	2/11/2002
20020129	0	0	0	43.44	56.56	0	1/29/2002	2/4/2002
20020122	0	0	0	58.65	41.35	0	1/22/2002	1/28/2002
20020115	0	0	0	68	32	0	1/15/2002	1/21/2002
20020108	0	0	0	64.73	35.27	0	1/8/2002	1/14/2002
20020101	0	0	0	0	100	0	1/1/2002	1/7/2002
20011225	0	0	0	100	0	0	12/25/2001	12/31/2001
20011218	0	0	0	100	0	0	12/18/2001	12/24/2001
20011211	0	0	0	100	0	0	12/11/2001	12/17/2001
20011204	0	0	0	100	0	0	12/4/2001	12/10/2001
20011127	0	0	0	100	0	0	11/27/2001	12/3/2001
20011120	0	0	0	100	0	0	11/20/2001	11/26/2001
20011113	0	0	0	100	0	0	11/13/2001	11/19/2001

Drought Event Table

MapDate	None	D0	D1	D2	D3	D4	ValidStart	ValidEnd
20011106	0	0	0	100	0	0	11/6/2001	11/12/2001
20011030	0	0	6.25	93.75	0	0	10/30/2001	11/5/2001
20011023	0	0	100	0	0	0	10/23/2001	10/29/2001
20011016	0	0.65	99.35	0	0	0	10/16/2001	10/22/2001
20011009	0	6.78	93.22	0	0	0	10/9/2001	10/15/2001
20011002	0	10.64	89.36	0	0	0	10/2/2001	10/8/2001
20010925	0	100	0	0	0	0	9/25/2001	10/1/2001
20010918	0	100	0	0	0	0	9/18/2001	9/24/2001
20010911	96.08	3.92	0	0	0	0	9/11/2001	9/17/2001
20010904	96.08	3.92	0	0	0	0	9/4/2001	9/10/2001
20010828	96.08	3.92	0	0	0	0	8/28/2001	9/3/2001
20010821	100	0	0	0	0	0	8/21/2001	8/27/2001
20010814	100	0	0	0	0	0	8/14/2001	8/20/2001
20010807	100	0	0	0	0	0	8/7/2001	8/13/2001
20010731	40.58	59.42	0	0	0	0	7/31/2001	8/6/2001
20010724	32.78	67.22	0	0	0	0	7/24/2001	7/30/2001
20010717	60.49	39.51	0	0	0	0	7/17/2001	7/23/2001
20010710	60.49	39.51	0	0	0	0	7/10/2001	7/16/2001
20010703	52.04	47.96	0	0	0	0	7/3/2001	7/9/2001
20010626	53.59	46.41	0	0	0	0	6/26/2001	7/2/2001
20010619	53.59	46.41	0	0	0	0	6/19/2001	6/25/2001
20010612	0	0	55.66	44.34	0	0	6/12/2001	6/18/2001
20010605	0	0	56.25	43.75	0	0	6/5/2001	6/11/2001
20010529	0	0	53.31	46.69	0	0	5/29/2001	6/4/2001
20010522	0	0	53.33	46.67	0	0	5/22/2001	5/28/2001
20010515	0	0	53.31	46.69	0	0	5/15/2001	5/21/2001
20010508	0	0	100	0	0	0	5/8/2001	5/14/2001
20010501	0	0	100	0	0	0	5/1/2001	5/7/2001
20010424	0	0	100	0	0	0	4/24/2001	4/30/2001
20010417	0	0	100	0	0	0	4/17/2001	4/23/2001
20010410	0	0	100	0	0	0	4/10/2001	4/16/2001
20010403	0	0	100	0	0	0	4/3/2001	4/9/2001
20010327	0	0	100	0	0	0	3/27/2001	4/2/2001
20010320	0	0	100	0	0	0	3/20/2001	3/26/2001
20010313	0	0	100	0	0	0	3/13/2001	3/19/2001
20010306	0	0	100	0	0	0	3/6/2001	3/12/2001
20010227	0	0	13.62	86.38	0	0	2/27/2001	3/5/2001
20010220	0	0	13.62	86.38	0	0	2/20/2001	2/26/2001
20010213	0	0	13.62	86.38	0	0	2/13/2001	2/19/2001
20010206	0	0	15.88	84.12	0	0	2/6/2001	2/12/2001
20010130	0	0	15.88	84.12	0	0	1/30/2001	2/5/2001
20010123	0	0	15.88	84.12	0	0	1/23/2001	1/29/2001
20010116	0	0	8.27	91.73	0	0	1/16/2001	1/22/2001
20010109	0	0	8.27	91.73	0	0	1/9/2001	1/15/2001
20010102	0	0	0	100	0	0	1/2/2001	1/8/2001
20001226	0	0	16.9	83.1	0	0	12/26/2000	1/1/2001

Drought Event Table

MapDate	None	D0	D1	D2	D3	D4	ValidStart	ValidEnd
20001219	0	0	1.81	98.19	0	0	12/19/2000	12/25/2000
20001212	0	0	0	100	0	0	12/12/2000	12/18/2000
20001205	0	0	0	100	0	0	12/5/2000	12/11/2000
20001128	0	0	0	100	0	0	11/28/2000	12/4/2000
20001121	0	0	0	100	0	0	11/21/2000	11/27/2000
20001114	0	0	0	4.97	95.03	0	11/14/2000	11/20/2000
20001107	0	0	0	4.97	95.03	0	11/7/2000	11/13/2000
20001031	0	0	0	4.97	95.03	0	10/31/2000	11/6/2000
20001024	0	0	0	100	0	0	10/24/2000	10/30/2000
20001017	0	0	0	100	0	0	10/17/2000	10/23/2000
20001010	0	0	0	100	0	0	10/10/2000	10/16/2000
20001003	0	0	0	100	0	0	10/3/2000	10/9/2000
20000926	0	0	0	100	0	0	9/26/2000	10/2/2000
20000919	0	0	0	0	100	0	9/19/2000	9/25/2000
20000912	0	0	0	0	100	0	9/12/2000	9/18/2000
20000905	0	0	0	0	100	0	9/5/2000	9/11/2000
20000829	0	0	0	0	53.65	46.35	8/29/2000	9/4/2000
20000822	0	0	0	0	53.65	46.35	8/22/2000	8/28/2000
20000815	0	0	0	0	55.07	44.93	8/15/2000	8/21/2000
20000808	0	0	0	0	55.07	44.93	8/8/2000	8/14/2000
20000801	0	0	0	0	0	100	8/1/2000	8/7/2000
20000725	0	0	0	0	0	100	7/25/2000	7/31/2000
20000718	0	0	0	0	0	100	7/18/2000	7/24/2000
20000711	0	0	0	0	0	100	7/11/2000	7/17/2000
20000704	0	0	0	0	0	100	7/4/2000	7/10/2000
20000627	0	0	0	0	0.42	99.58	6/27/2000	7/3/2000
20000620	0	0	0	0	4.91	95.09	6/20/2000	6/26/2000
20000613	0	0	0	0	10.13	89.87	6/13/2000	6/19/2000
20000606	0	0	0	0	100	0	6/6/2000	6/12/2000
20000530	0	0	0	0.39	99.61	0	5/30/2000	6/5/2000
20000523	0	0	0	100	0	0	5/23/2000	5/29/2000
20000516	0	0	0	100	0	0	5/16/2000	5/22/2000
20000509	0	0	0	100	0	0	5/9/2000	5/15/2000
20000502	0	0	0	100	0	0	5/2/2000	5/8/2000
20000425	0	0	0	100	0	0	4/25/2000	5/1/2000
20000418	0	0	0	100	0	0	4/18/2000	4/24/2000
20000411	0	0	100	0	0	0	4/11/2000	4/17/2000
20000404	0	0	100	0	0	0	4/4/2000	4/10/2000
20000328	0	0	100	0	0	0	3/28/2000	4/3/2000
20000321	0	0	100	0	0	0	3/21/2000	3/27/2000
20000314	0	0	100	0	0	0	3/14/2000	3/20/2000
20000307	0	0	100	0	0	0	3/7/2000	3/13/2000
20000229	0	0	100	0	0	0	2/29/2000	3/6/2000
20000222	0	0	100	0	0	0	2/22/2000	2/28/2000
20000215	0	0	100	0	0	0	2/15/2000	2/21/2000
20000208	0	0	100	0	0	0	2/8/2000	2/14/2000

Drought Event Table

MapDate	None	D0	D1	D2	D3	D4	ValidStart	ValidEnd
20000201	0	0	100	0	0	0	2/1/2000	2/7/2000
20000125	0	0	100	0	0	0	1/25/2000	1/31/2000
20000118	0	0	97.48	2.52	0	0	1/18/2000	1/24/2000
20000111	0	0	97.48	2.52	0	0	1/11/2000	1/17/2000
20000104	0	0	10.55	89.45	0	0	1/4/2000	1/10/2000

U.S. Drought Monitor Georgia

March 20, 2018






(Released Thursday, Mar. 22, 2018)

Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	33.92	66.08	49.86	10.42	0.00	0.00
Last Week 03-13-2018	31.80	68.20	51.71	7.46	0.00	0.00
3 Months Ago 12-19-2017	23.87	76.13	38.44	0.00	0.00	0.00
Start of Calendar Year 01-02-2018	12.14	87.86	40.66	0.00	0.00	0.00
Start of Water Year 09-26-2017	100.00	0.00	0.00	0.00	0.00	0.00
One Year Ago 03-21-2017	38.50	61.50	26.89	19.08	6.94	0.00

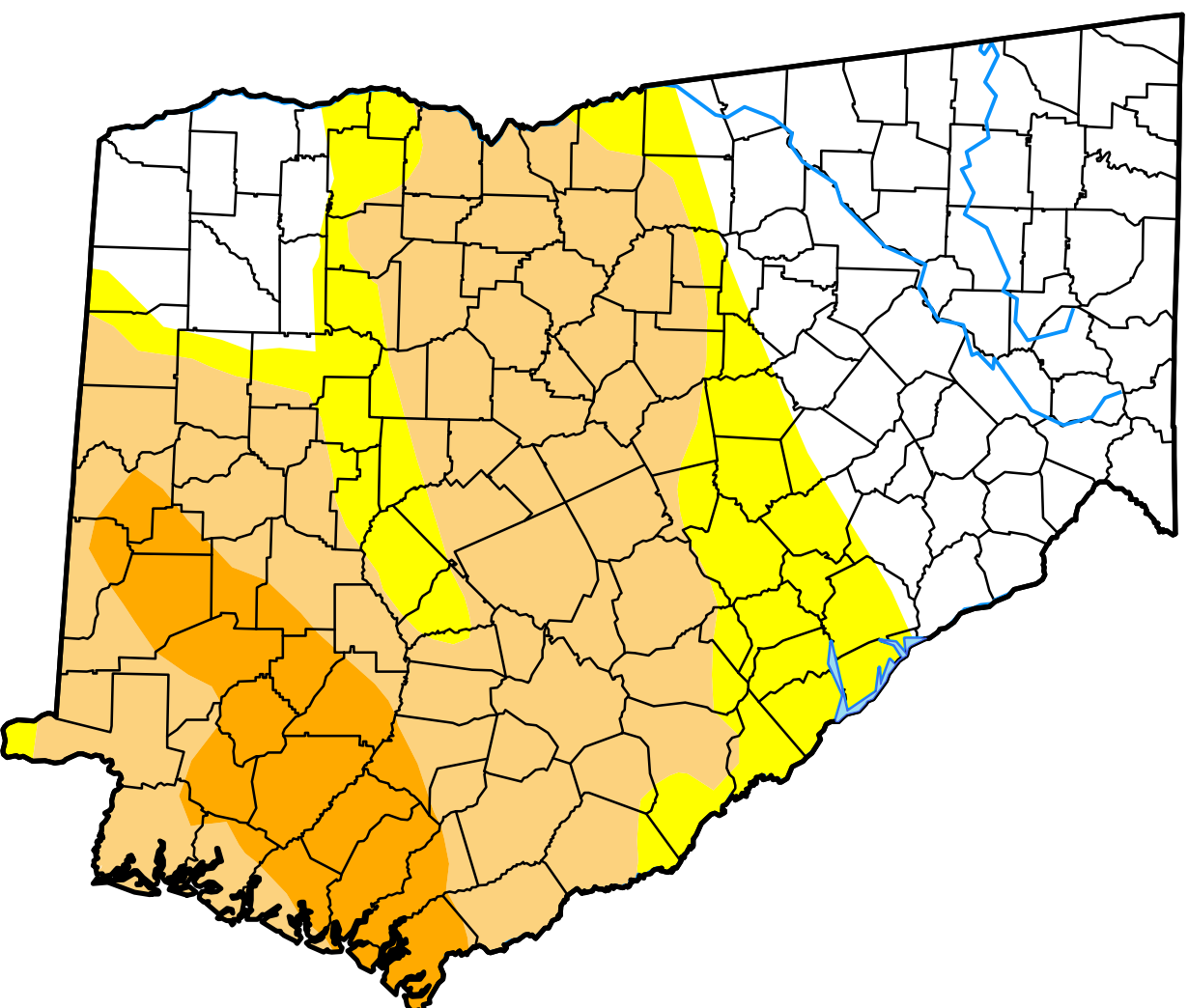
Intensity:

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

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

Author:

Chris Fenimore
NCEI/NESDIS/NOAA



U.S. Drought Monitor Georgia

March 19, 2019






(Released Thursday, Mar. 21, 2019)

Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	66.71	33.29	1.27	0.00	0.00	0.00
Last Week 03-12-2019	72.77	27.23	0.00	0.00	0.00	0.00
3 Months Ago 12-18-2018	100.00	0.00	0.00	0.00	0.00	0.00
Start of Calendar Year 01-01-2019	100.00	0.00	0.00	0.00	0.00	0.00
Start of Water Year 09-25-2018	70.95	29.05	6.72	0.00	0.00	0.00
One Year Ago 03-20-2018	33.92	66.08	49.86	10.42	0.00	0.00

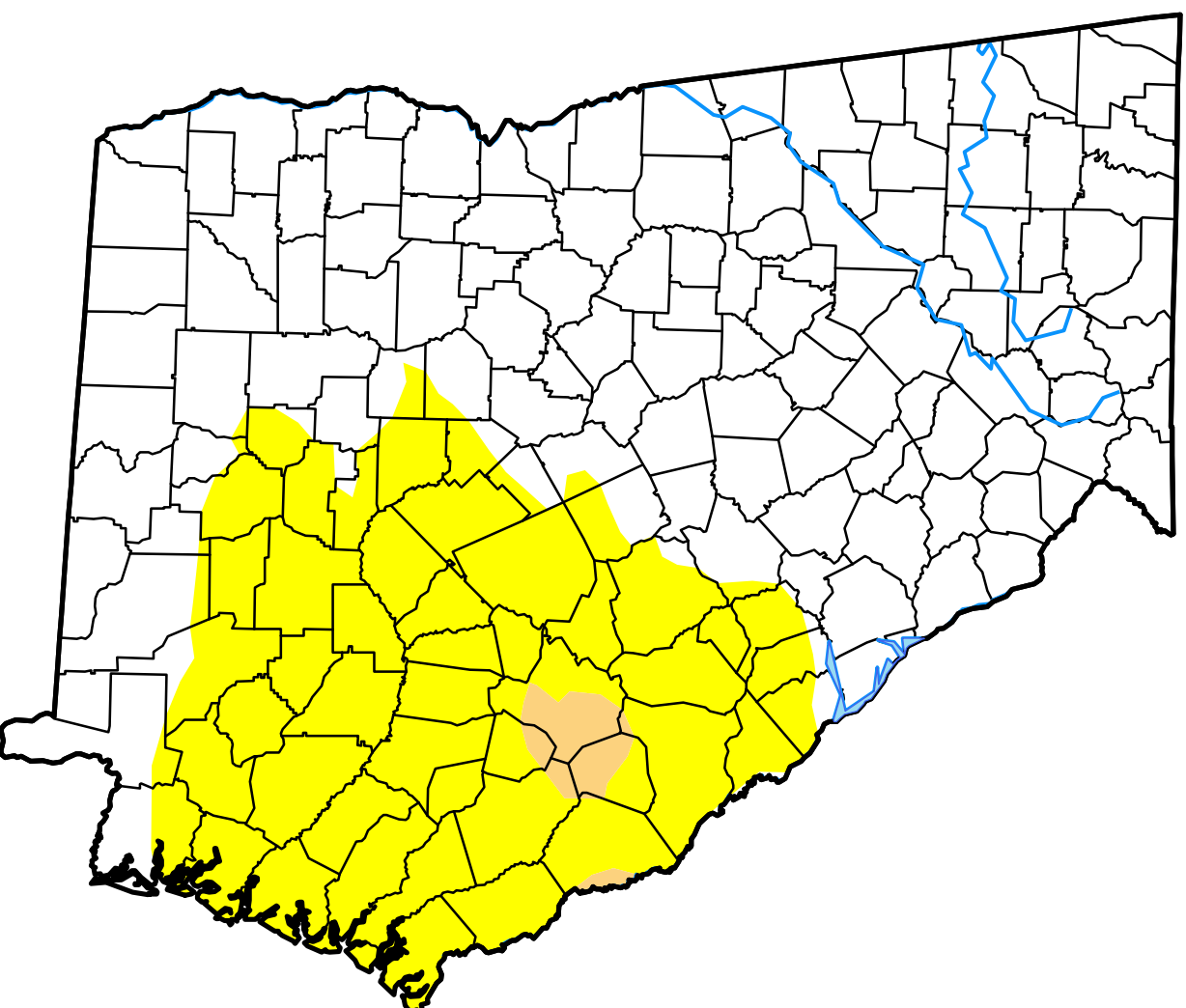
Intensity:

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

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

Author:

Jessica Blunden
NCEI/NOAA



Wildfire

A wildfire is any uncontrolled fire occurring on undeveloped land that needs fire suppression. The potential for wildfire is influenced by three factors: the presence of fuel, the area's topography and air mass. There are three different classes of wildland fires. A surface fire is the most common type and burns along the floor of a forest, moving slowly and killing or damaging trees. A ground fire is usually started by lightning and burns on or below the forest floor. Crown fires spread rapidly by wind and move quickly by jumping along the tops of trees. Wildfires are usually signaled by dense smoke that fills the area for miles around. Wildfires by lightning have a very strong probability of occurring during drought conditions. Drought conditions make natural fuels (grass, brush, trees, dead vegetation) more fire-prone.

Hancock County is comprised of 306,560 acres with acres 31,963 (10.4 percent) dedicated to agricultural and 258,542 acres (84.4 percent) dedicated to forestry. Given the right weather conditions and variables, wildfire due to natural causes creates a potential threat to the lives and property of residents in the planning area. According to Georgia Forestry data, from 1957 to 2018, there have been 2,493 fire events burning a total of 17,730 acres for an average extent of 7.1 acres. Of these 2,493 fire events, 123 were a result of lightning strikes which burned 2,977 acres. Based on best available data, 123 wildfire events as a result of lightning occurred in the unincorporated areas of the county. Based on a 20-year hazard cycle there is a 245 percent chance of an annual wildfire due to a lightning strike or statistically the county can expect 2.45 wildfires as a result of lightning annually.

The 31 critical facilities with a wildfire hazard score greater than zero have an estimated potential loss of more than \$24 million. The loss for all critical facilities is \$30,420,487. According to FEMA Worksheet #3a there are 28,230 structures/properties with a population of 9,429 with a value of slightly more than \$1 billion worth of assets countywide.

Wildfire By Acres and Cause

CY	TOTAL	LIGHT	MACHI	CAMP	SMOKE	DEBRI	ARSON	RAIL	CHILD	MISC
1957	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1958	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1959	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1960	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1961	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1962	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1963	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1964	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1965	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1966	308.75	0.00	60.34	1.20	59.00	110.75	46.70	30.76	0.00	0.00
1967	194.25	0.00	3.63	2.00	46.95	91.28	23.21	27.18	0.00	0.00
1968	115.91	0.00	18.11	0.00	58.69	16.82	22.29	0.00	0.00	0.00
1969	243.57	89.60	2.00	6.25	83.37	37.21	15.04	10.10	0.00	0.00
1970	308.17	0.00	9.37	14.21	10.61	47.20	179.64	47.14	0.00	0.00
1971	171.46	0.00	5.90	0.00	41.69	11.30	91.40	21.17	0.00	0.00
1972	109.74	2.07	6.46	0.00	9.70	3.86	78.95	8.70	0.00	0.00
1973	209.10	0.00	12.57	1.84	75.23	33.50	0.24	85.72	0.00	0.00
1974	155.04	0.25	6.01	0.00	64.43	38.48	8.33	37.54	0.00	0.00
1975	48.60	1.75	0.10	0.00	13.14	21.66	7.81	0.10	1.15	2.89
1976	204.77	0.50	3.21	0.00	19.41	58.22	0.80	0.00	44.77	77.86
1977	608.77	10.66	132.01	0.00	21.76	99.72	157.72	0.00	23.27	163.63
1978	644.66	0.10	2.67	127.11	198.57	235.45	35.75	0.00	8.59	36.42
1979	242.72	0.00	93.57	1.00	42.90	50.40	0.00	0.00	36.85	18.00
1980	222.36	6.90	16.20	0.00	44.55	65.79	47.30	0.00	1.20	40.42
1981	416.23	5.39	25.49	23.42	122.71	114.80	25.23	0.00	5.25	93.94
1982	259.49	0.00	19.47	0.00	67.61	112.80	23.97	0.00	2.67	32.97
1983	108.56	14.78	4.96	0.00	43.56	38.29	2.04	0.00	0.00	4.93
1984	581.53	3.54	2.25	3.21	330.95	90.96	105.91	3.90	14.07	26.74
1985	442.86	0.30	0.16	46.73	219.82	88.06	66.07	0.00	2.30	19.42
1986	804.53	350.11	0.74	9.83	81.96	250.12	99.34	0.00	0.00	12.43
1987	586.09	68.22	7.21	11.15	281.11	41.53	171.71	0.00	0.00	5.16
1988	157.23	15.03	0.75	0.81	89.27	37.38	10.06	0.00	3.59	0.34

Wildfire By Acres and Cause

CY	TOTAL	LIGHT	MACHI	CAMP	SMOKE	DEBRI	ARSON	RAIL	CHILD	MISC
1989	68.09	0.00	9.98	0.00	8.05	5.19	39.37	0.00	1.98	3.52
1990	259.60	27.48	17.99	1.03	71.66	47.46	84.33	0.00	1.89	7.76
1991	92.85	0.00	1.15	0.08	21.04	52.11	15.42	0.00	2.28	0.77
1992	341.38	3.03	142.50	0.00	3.91	136.96	51.05	0.00	0.22	3.71
1993	621.26	361.46	25.80	8.24	59.33	77.48	37.81	23.03	0.00	28.11
1994	169.16	5.51	3.23	0.00	36.93	59.44	58.47	0.00	2.14	3.44
1995	391.04	253.32	39.07	0.00	32.37	49.63	15.47	0.00	0.10	1.08
1996	184.05	0.22	4.15	44.21	0.88	52.97	52.97	4.67	2.00	21.98
1997	334.90	0.10	70.71	11.92	47.18	131.65	34.60	0.00	0.80	37.94
1998	237.03	70.52	40.20	0.00	6.05	74.32	39.65	0.00	0.51	5.78
1999	403.87	4.73	14.22	10.31	41.58	110.81	107.72	18.18	0.00	96.32
2000	303.22	180.82	28.33	0.00	10.37	37.43	1.39	0.50	0.53	43.85
2001	78.93	0.00	6.39	1.55	8.22	41.18	13.27	0.69	0.00	7.63
2002	288.34	121.68	61.40	0.00	0.00	73.21	0.00	0.00	0.58	31.47
2003	78.74	0.00	19.22	0.00	0.00	57.25	2.27	0.00	0.00	0.00
2004	442.32	25.22	3.37	55.83	6.70	271.35	57.05	3.40	0.18	19.22
2005	218.70	0.00	33.11	0.00	0.00	115.15	70.41	0.00	0.00	0.03
2006	193.29	68.32	35.41	0.10	0.00	76.47	12.09	0.00	0.00	0.90
2007	172.69	36.78	6.43	34.52	0.00	75.24	1.91	0.00	0.00	17.81

Wildfire By Acres and Cause

CY	TOTAL	LIGHT	MACHI	CAMP	SMOKE	DEBRI	ARSON	RAIL	CHILD	MISC
2008	282.17	82.63	26.09	0.00	0.00	162.19	1.10	0.00	6.36	3.80
2009	128.00	16.50	36.04	0.00	0.00	46.96	14.80	0.00	0.00	13.70
2010	103.19	0.00	26.15	0.00	0.00	69.79	4.70	0.00	0.00	2.55
2011	586.59	279.63	18.51	0.00	0.12	194.78	3.60	0.00	14.40	75.55
2012	246.63	31.50	34.10	3.10	0.00	120.17	2.33	0.00	0.00	55.43
2013	173.24	0.00	3.00	4.20	0.00	138.08	0.00	0.00	0.00	27.96
2014	231.40	8.70	14.40	0.00	10.20	57.20	3.00	0.00	0.00	137.90
2015	26.45	10.60	0.10	1.00	0.00	13.30	0.00	0.00	0.00	1.45
2016	132.17	0.00	29.65	55.92	2.00	24.48	0.00	0.00	0.10	20.02
2017	136.25	10.10	47.50	0.00	0.00	75.65	0.00	0.00	0.00	3.00
2018	4.60	0.00	0.10	0.00	0.00	1.00	0.00	0.00	0.00	3.50
2019	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	17729.96	2977.50								

Wildfire by # of Annual Events and Cause

CY	Total	LIGHT	MACHI	CAMP	SMOKE	DEBRI	ARSON	RAIL	CHILD	MISC	D-RES	D-AG	D-SIT	D-HOU	D-LC	D-XRX	D-OTH
1957	0	0	0	0	0	0	0	0	0	0							
1958	0	0	0	0	0	0	0	0	0	0							
1959	0	0	0	0	0	0	0	0	0	0							
1960	0	0	0	0	0	0	0	0	0	0							
1961	0	0	0	0	0	0	0	0	0	0							
1962	0	0	0	0	0	0	0	0	0	0							
1963	0	0	0	0	0	0	0	0	0	0							
1964	0	0	0	0	0	0	0	0	0	0							
1965	0	0	0	0	0	0	0	0	0	0							
1966	50	0	11	2	17	11	3	6	0	0							
1967	39	0	2	1	16	10	5	5	0	0							
1968	43	0	9	0	15	12	7	0	0	0							
1969	44	1	1	2	14	12	12	2	0	0							
1970	45	0	4	3	7	12	11	8	0	0							
1971	41	0	8	0	6	9	13	5	0	0							
1972	28	1	5	0	6	4	8	4	0	0							
1973	58	0	6	1	26	14	1	10	0	0							
1974	60	1	4	0	25	8	11	11	0	0							
1975	22	1	1	0	6	6	3	1	2	2							
1976	48	1	3	0	9	20	2	0	1	12							
1977	93	2	8	0	17	24	12	0	5	25							
1978	84	1	4	3	23	29	4	0	4	16							
1979	41	0	2	2	12	11	0	0	7	7							
1980	58	3	2	0	7	20	9	0	2	15							
1981	77	1	4	4	13	15	18	0	4	18							
1982	40	0	3	0	7	13	5	0	3	9							
1983	33	2	3	0	10	13	3	0	0	2							
1984	85	1	2	2	31	19	12	1	3	14							
1985	86	1	2	3	20	29	18	0	1	12							
1986	90	13	5	1	17	26	13	0	0	15							
1987	83	5	7	5	24	19	8	0	0	15	0	0	0	0	0	0	0
1988	56	4	7	2	14	17	3	0	3	6	0	0	0	0	0	0	0

Wildfire by # of Annual Events and Cause

[illegible]

Critical Facilities by Wildfire Hazard Score

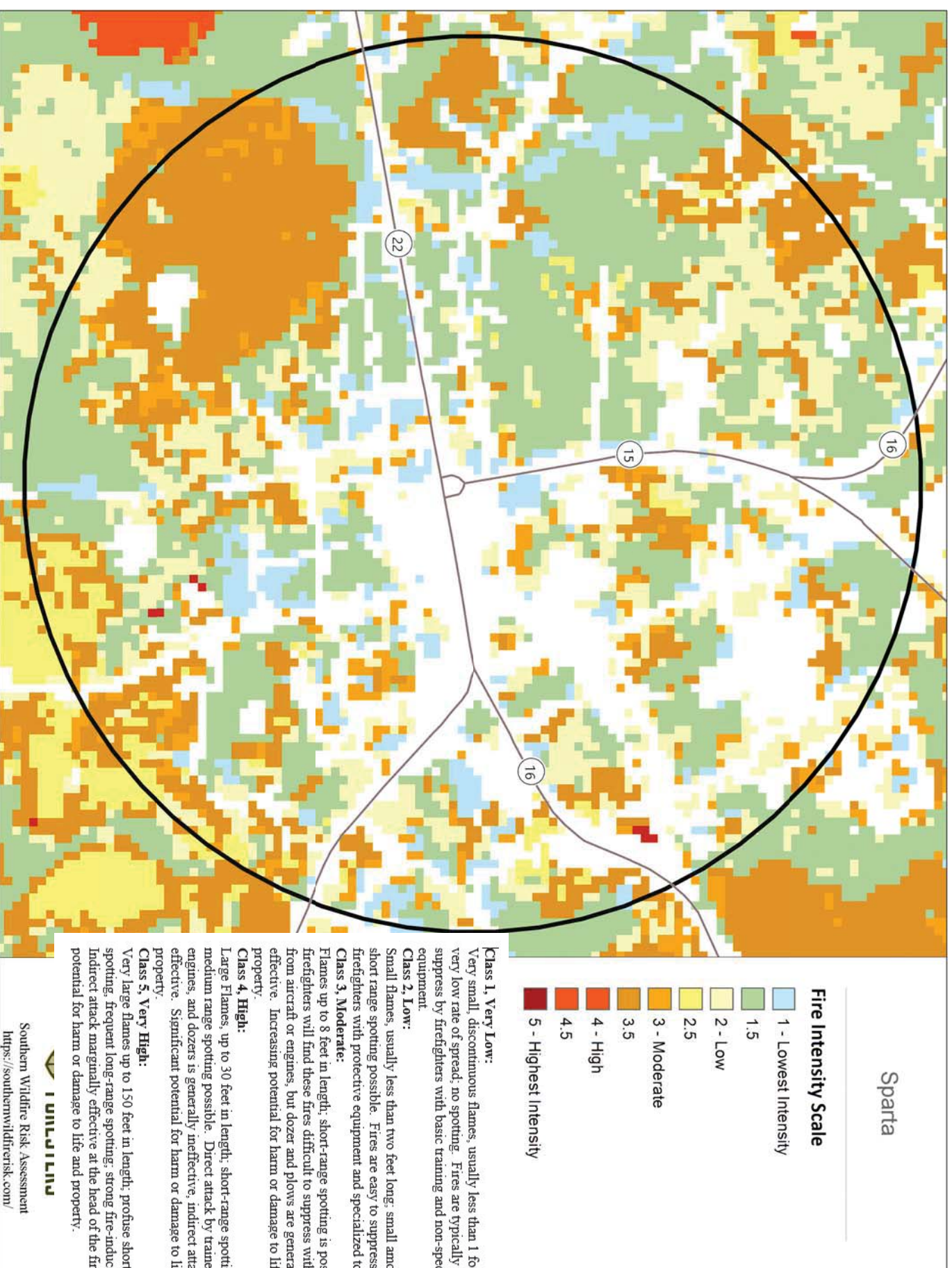
Jurisdiction	Name	Hazard Score	Value	Replacement Value Year	Building size	Content value	Functional Use value	Facility type	Risk	Daytime Occupancy	Nighttime Occupancy
Hancock County	Betty Hill Senior Citizen Center	0	582923	2014	2500		0	Government, Water/Sewer	Vulnerable Population	25	
Hancock County	Hancock Central High	3	800000	2014	25000		0	Education, K - 12	Vulnerable Population	455	
Hancock County	Hancock County Courthouse	3	8096000	2018	40000	1000000	0	Law Enforcement, Law Enforcement, Court House, 0 Court House	Essential, High Potential Loss, Historic	18	
Hancock County	Hancock County EMS	1	50000	2014	3000		0	Government, Water/Sewer	Essential, Lifeline	4	2
Hancock County	Hancock County Fire Station	3	966215	2014	2000	9000000	0	Emergency Services, Fire 0 Fighters	Essential	1	
Hancock County	Hancock County Fire Station #2	2	75000	2014	2400	250000	0	Emergency Services, Fire 0 Fighters	Essential	0	
Hancock County	Hancock County Health Department	3	818284	2014	6360	10977	1631	Government, Water/Sewer	Essential, Lifeline	60	
Hancock County	Hancock County Library	3	1478909	2014	7575	907608	0	Education, Library	Important	65	
Hancock County	Hancock County Magistrate	3	800000	2014	8000		0	Law Enforcement, Court House	Important	9	
Hancock County	Hancock County Service Center	3	394963	2014	2500		0	Education, VoTech	Important, Vulnerable Population	25	
Hancock County	Hancock County Sheriff's Office	3	4406220	2014	2500		0	Law Enforcement, Sheriff	Essential	2	1
Hancock County	Hancock State Prison	0	1500000	2014	35000		0	Law Enforcement, State Patrol	Vulnerable Population	1595	1575
Hancock County	Hancock County Development Authority	3	1137489	2014	2500		0	Law Enforcement, State Patrol	Important	3	
Hancock County	Holiday Shores 5-1	1	35000	2013	1200	3000	0	Emergency Services, Fire 0 Fighters	Essential		

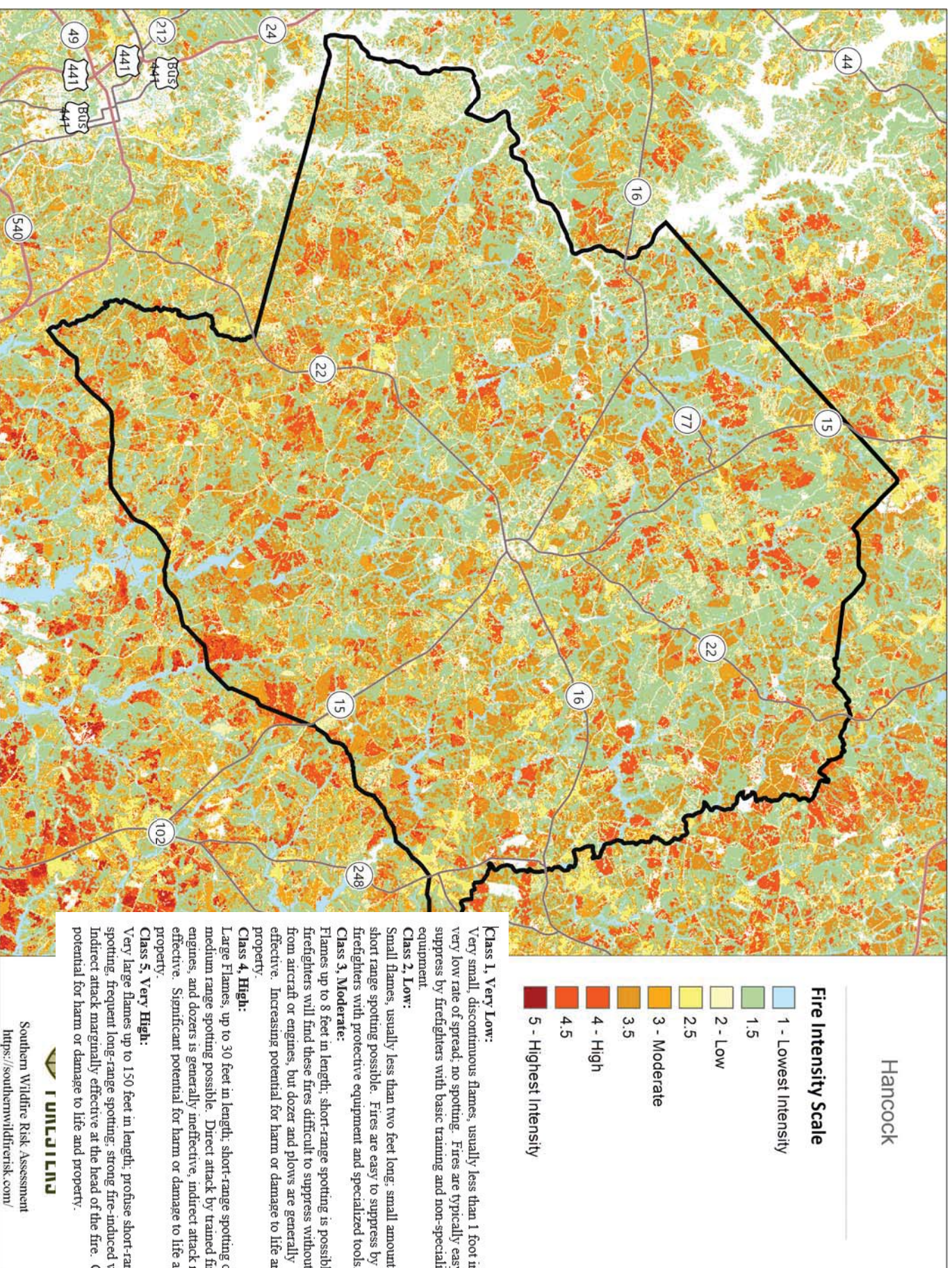
Critical Facilities by Wildfire Hazard Score

Jurisdiction	Name	Hazard Score	Value	Replacement Value Year	Building size	Content value	Functional Use value	Facility type	Risk	Daytime Occupancy	Nighttime Occupancy
Hancock County	Holiday Shores 5-2	1	108364	2013	3000	9050		Emergency Services, Fire 0 Fighters	Essential		
Hancock County	John Hancock Academy	2	200000	2014	1200			0 Education, Private	Vulnerable Population	75	
Hancock County	M.e. Lewis Elementary School	0	450000	2014	30000			0 NGO, Water/Sewer	Essential, Vulnerable Population		
Hancock County	Sandersville Technical School	0	2500000	2014	15200			0 Education, VoTech	Important	60	60
Hancock County	Southwest Elementary School	4	450000	2014	30000			0 NGO, Water/Sewer	Essential, Vulnerable Population	642	
Hancock County	Tax Commissioner	3	500000	2014	10000	30000		Law Enforcement, State 0 Patrol	Important	10	
Hancock County	Tri-County Health Systems	3	185000	2014	3100	80000		0 Education, VoTech	Essential	15	
Sparta city	Providence Nursing Home	3	656120	2014	12000			0 Government, Water/Sewer	Vulnerable Population	65	45
Sparta city	Robert L Morgan	3	450000	2008	2800			0 Education, VoTech	Essential, Lifeline	15	
Sparta city	Sparta City Hall	3	30000	2014	15000			0 Government, Private	Essential	2	
Sparta city	Sparta Fresh Water Treatment Plant	0	750000	2014	2000			0 Government, Water/Sewer	Essential	1	
Sparta city	Sparta Health Care	3	550000	2014	10000			0 Government, Water/Sewer	Essential, Lifeline	25	
Sparta city	Sparta Lift Station 1	4	100000	2014	100			0 Government, Water/Sewer	Essential, Lifeline		
Sparta city	Sparta Lift Station 2	0	100000	2014	100			0 Government, Water/Sewer	Essential, Lifeline		
Sparta city	Sparta Lift Station 3	3	100000	2014	100			0 Government, Water/Sewer	Essential, Lifeline		
Sparta city	Sparta Lift Station 4	3	100000	2014	100			0 Government, Water/Sewer	Essential, Lifeline		
Sparta city	Sparta Pumping Station	1	250000	2014	1000			0 Government, Water/Sewer	Essential, Lifeline		

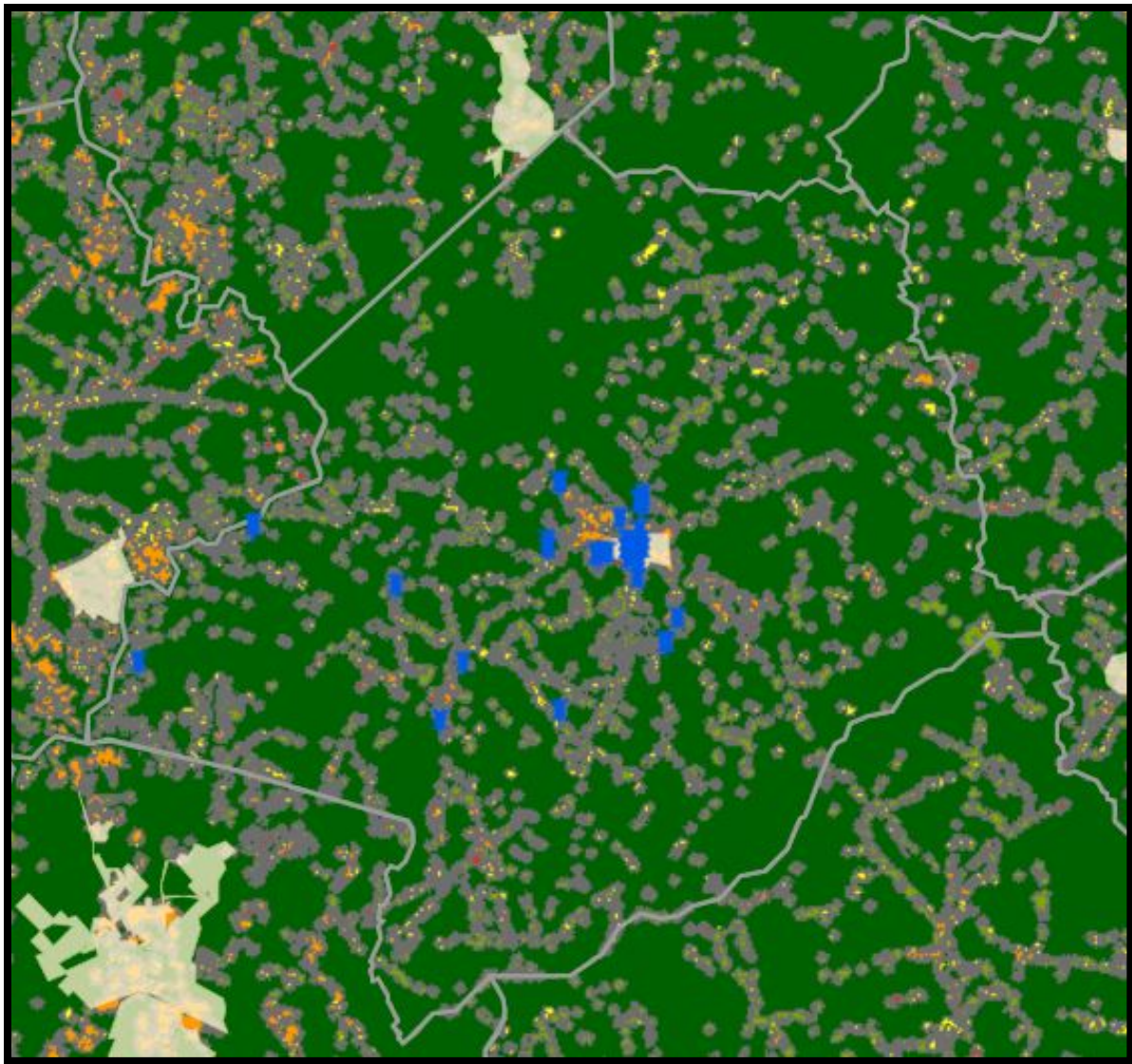
Critical Facilities by Wildfire Hazard Score

Jurisdiction	Name	Hazard Score	Value	Replacement Value Year	Building size	Content value	Functional Use value	Facility type	Risk	Daytime Occupancy	Nighttime Occupancy
Sparta city	Sparta Waste Pond	1	250000	2014	1000			0 Government, Water/Sewer	Essential, Lifeline		
Sparta city	Sparta Waste Stabilization Pond	3	500000	2014	2000			0 Government, Water/Sewer	Essential		
Sparta city	Sparta WPCP	1	300000	2014	2000			0 Government, Water/Sewer	Essential, Lifeline		
Sparta city	Water Tower	2	250000	2014	100			0 Government, Water/Sewer	Essential, Lifeline	0	
Sparta city	Water Tower	1	250000	2014	100			0 Government, Water/Sewer	Essential, Lifeline	0	
Sparta city	Water Tower	3	250000	2014	100			0 Government, Water/Sewer	Essential, Lifeline		
			30420487		281535	11290635		1631		3172	1683



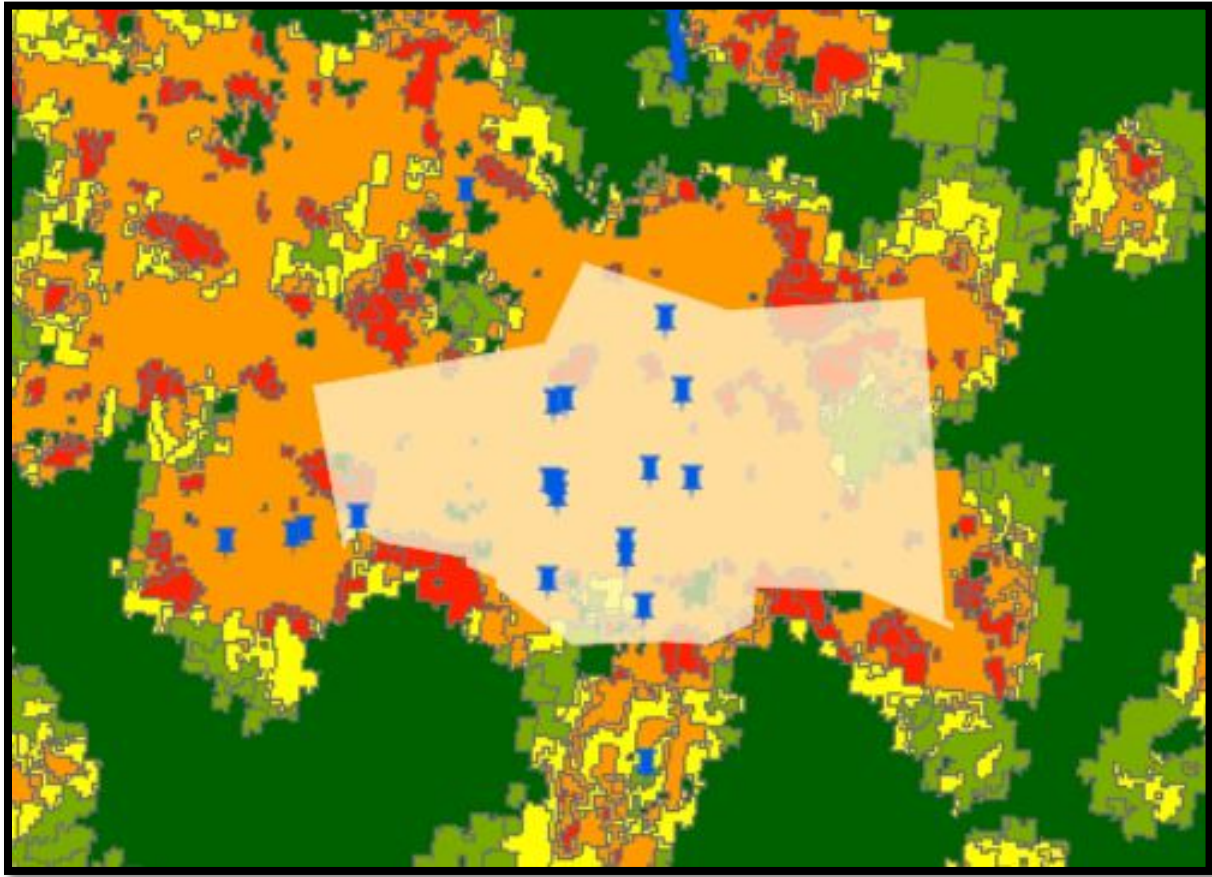


HANCOCK COUNTY GMIS WILDFIRE RISK MAP

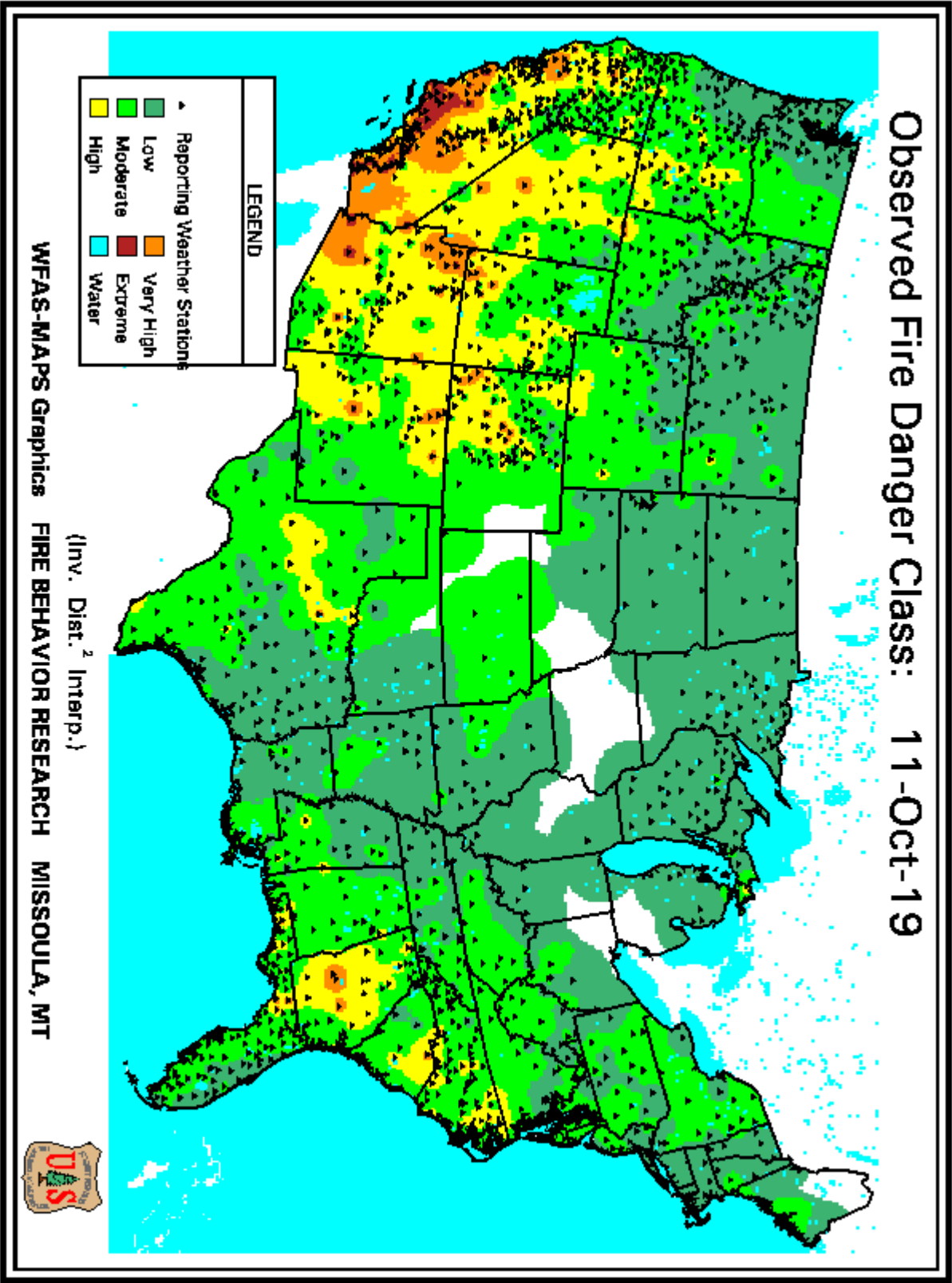


Score	Description
4	High
3	Moderate
2	Low
1	Very Low
0	No Houses
	Agriculture
	Water
	City

SPARTA GMIS WILDFIRE RISK MAP



Score	Description
4	High
3	Moderate
2	Low
1	Very Low
0	No Houses
	Agriculture
	Water
	City



Severe Weather

The Hancock County Pre-Disaster Hazard Mitigation Committee reviewed historical data from the county's own weather database, the National Climatic Data Center, newspapers and citizen interviews in researching the past effects of severe weather in Hancock County. The month of February marks the beginning of the severe weather season in the South, which can last until the month of August. Five types of severe weather were identified by the mitigation team: (1) tornados, (2) tropical storms, (3) thunderstorm winds, (4) lightning, and (5) hail.

A tornado is a violent windstorm characterized by a twisting, funnel-shaped cloud. It is spawned by a thunderstorm or the result of a hurricane and is produced when cool air overrides a layer of warm air, forcing the warm air to rise rapidly. The damage from a tornado is a result of the high wind velocity and wind-blown debris. Tornados are among the most unpredictable and destructive of weather phenomena and can strike at any time of the year if the essential conditions are present. The positions of the subtropical and polar jet streams often are conducive to the formation of storms in the Gulf region.

The second type of severe weather is tropical storms. Tropical Storms are an organized system of strong thunderstorms with a defined surface circulation and maximum sustained winds of 39–73 MPH (34–63 knots). In this area they generally occur as a result of a hurricane or tropical system that has come inland.

The third severe weather event, thunderstorm winds, can cause death and injury, power outages, property damage, and can disrupt telephone service, severely affect radio communications and surface/air transportation which may seriously impair the emergency management capabilities of the affected jurisdictions.

Thunderstorm winds are winds that arise from convection (with or without lightning), with speeds of at least 50 knots (58 mph), or winds of any speed producing a fatality, injury, or damage. Severe thunderstorms develop powerful updrafts and downdrafts. An updraft of warm, moist air helps to fuel a towering cumulonimbus cloud reaching tens of thousands of feet into the atmosphere. A downdraft of relatively cool, dense air develops as precipitation begins to fall through the cloud. Winds in the downdraft can reach in excess of 100 miles per hour. When the downdraft reaches the ground it spreads out forming a gust front: the strong wind that kicks up just before the storm hits. As the thunderstorm moves through the area, the full force of the downdraft in a severe thunderstorm can be felt as horizontal, straight-line winds with speeds well over 50 miles per hour. Straight-line winds are often responsible for most of the damage associated with a severe thunderstorm. Damaging straight-line winds occur over a range of scales. At one extreme, a severe single-cell thunderstorm may cause localized damage from a microburst, a severe downdraft extending not more than about two miles across. In contrast, a powerful thunderstorm complex that develops as a squall line can produce damaging winds that carve a path as much as 100 miles wide and 500 miles long.

The fourth severe weather event is lightning. Lightning results from the buildup and discharge of electrical energy between positively and negatively charged areas. Rising and descending air within a thunderstorm separates these positive and negative charges. Water and ice particles also

affect charge distribution. A cloud-to-ground lightning strike begins as an invisible channel of electrically charged air moving from the cloud toward the ground. When one channel nears an object on the ground, a powerful surge of electricity from the ground moves upward to the clouds and produces the visible lightning strike. Lightning often strikes outside of heavy rain and may occur as far as 10 miles away from any rainfall.

The final severe weather event is hail. Hailstones are created when strong rising currents of air called updrafts carry water droplets high into the upper reaches of thunderstorms where they freeze. These frozen water droplets fall back toward the earth in downdrafts. In their descent, these frozen droplets bump into and coalesce with unfrozen water droplets and are then carried back up high within the storm where they refreeze into larger frozen drops. This cycle may repeat itself several times until the frozen water droplets become so large and heavy that the updraft can no longer support their weight. Eventually, the frozen water droplets fall back to earth as hailstones.

Hail can also be a destructive aspect of severe thunderstorms. Hail causes more monetary loss than any other type of thunderstorm-spawned severe weather in the United States, annually producing about one billion dollars in crop damage. Storms that produce hailstones only the size of a dime can produce dents in the tops of vehicles, damage roofs, break windows and cause significant injury or even death.

Weather Event	#	Fatalities	Injuries	Approximate Property/Crop Damage
Tornados	10	5	9	\$1,400,000
Tropical Storms	18	0	0	\$51,400
Thunderstorm Winds	86	0	1	\$501,228
Lightning	135	0	0	\$3,750
Hail	31	0	0	\$12,000

To summarize, there are approximately 28,230 structures/properties in the county totaling more than \$1.1 billion with a population of 9,429.

Tornado Event History Table

DATE	Event Type	NAME	INJURIES	FATALITIES	Mag	PrD	CrD	REMARKS
8/12/1956	Tornado	Hancock	0	0		\$2,500	\$0	
12/25/1964	Tornado	Hancock	8	1		\$250,000	\$0	
5/20/2008	Tornado	EUREKA	0	0	EFO	\$500	\$0	an EF2 tornado developed in Cherokee county and caused extensive damage to hundreds of homes.
2/18/2009	Tornado	CULVERTON	1	3	EF3	\$500,000	\$0	A church, two site-built homes, and four mobile homes were completely destroyed in the Hickory Grove Community. Hundreds of trees were either uprooted or snapped along the path of the tornado.
4/10/2009	Tornado	SPARTA	0	0	EFO	\$10,000	\$0	One mobile home suffered moderate damage to its roof, siding, and windows.
4/10/2009	Tornado	GRANITE HILL	0	0	EFO	\$7,000	\$0	Numerous large trees were down along the path of the tornado in a primarily rural area. No structural damage was noted in association with this tornado.
4/10/2009	Tornado	SUNSHINE	0	1	EF3	\$500,000	\$250,000	Along the path of the tornado, one 4000 square foot site-built home was completely destroyed. The debris from the home was scattered across an area up to 400 feet downstream. A resident of this home suffered serious injuries. Another nearby double-wide mobile home was also completely destroyed. Two other nearby homes on Dunn suffered minor damage and two additional homes on Youngblood Road toward Jewell suffered extensive roof damage. A swath of 116 mature pecan trees at a pecan orchard on Hickory Grove road were flattened. These were owned by a resident adjacent to one of the damaged homes on Hickory Grove Road. One of the homeowners also lost a Shetland pony during the tornado.
4/28/2011	Tornado	SANDY RUN	0	0	EFO	\$15,000	\$0	Damage within Hancock county was mostly confined to dozens of snapped or uprooted trees and several downed power lines. Some minor structural damage was reported to homes along the lake. There were no fatalities or injuries reported anywhere with this tornado.
1/21/2017	Tornado	FRIENDSHIP	0	0	EF1	\$5,000	\$0	
4/3/2017	Tornado	SHOULDERBONE	0	0	EFO	\$20,000	\$0	
			9	5		1310000	250000	1560000

Tropical Storm Event History Table

DATE	Event Type	INJURIES	FATALITIES	Mag	P+D	C+D	REMARKS
8/30/1964	Hurricane/ Tropical Storm	0	0		1,114	110	Hurricane Cleo
6/20/1972	Hurricane/ Tropical Storm	0	0		0	310	HURRICANE AGNES
6/11/2001	Tropical Storm	0	0		0	0	<p>The remnants of Tropical Storm Allison, which originated in the Gulf of Mexico near the Texas coast during the first few days of June, brought heavy rain and flooding to many counties in central and east central Georgia from the afternoon of the 11th through the afternoon of the 13th. While wind was not a problem with this storm, very heavy rain had been a problem from the beginning. Spiral bands of heavy rain and some thunderstorms began affecting east central and middle Georgia during the afternoon of the 11th, with additional development of heavy rain on the 12th and 13th, especially in eastern areas. The heaviest rain fell from the evening of the 12th through the early morning hours of the 13th in an area generally bounded by Athens, Eatonton, Milledgeville, Crawfordville, and Lexington. In these areas, 24 rainfall amounts of 5 to 8 inches were common, with 10 inches observed in 24 hours on the Little River five miles southeast of Washington in Wilkes county. Two to three day rainfall totals exceeded 10 inches in several places in this area. The Little River crested at 28.4 feet, exceeding the previous highest stage ever recorded of 26.4 feet. Flooding was also observed on the Oconee River at Milledgeville with a crest of 33.7, two feet above flood stage. Several counties were significantly impacted by the flooding rainfall with many roads and bridges being washed out. Greene county was one of the hardest hit where a bridge was washed out leaving 25 residents of the Lake Oconee Point Royal neighborhood stranded. These residents had to be ferried by Sheriff patrol boat to their homes. Over 20 roads were under water in Greene county alone. Putnam, Baldwin, and Taliaferro counties were also hard hit with numerous secondary roads and even some state highways flooded. Several secondary roads had to be closed, a few of which were even washed out. In Pulaski county, a road in the southwest part of the county was washed out leaving a 10 foot canyon where the road used to be. In Milledgeville, an Animal Hospital had to be evacuated when a nearby creek rising out of its banks threatened to flood the facility. Several rivers, reached or exceeded flood stage, and several flood gates had to be opened at the Lake Sinclair and Lake Oconee dams. There were even some reports of downed trees and power lines in a few places, but this was because of saturated soils, not because of high wind. Governor Roy Barnes declared a "state of emergency" for several counties in the state, including Baldwin, Greene, Peach, Pulaski, Putnam, Taliaferro, and Wilkes. Damage estimates are provided under individual flash flood and urban small stream entries.</p>

Tropical Storm Event History Table

DATE	Event Type	INJURIES	FATALITIES	Mag	P+D	C+D	REMARKS
9/14/2002	Tropical Storm	0	0		0	0	Tropical Storm Hanna moved inland near Mobile, Alabama around 5 pm EDT Saturday, September 14, 2002. The remnants of Hanna then moved northeast across central Alabama during the day Saturday and then across north Georgia Saturday evening into Sunday morning. The center of the remnants of Hanna passed near Carrollton, Georgia around 2 AM EDT Sunday morning, then exited the state near Clayton, Georgia Sunday morning. September 15th, around 10 am EDT. While the heaviest rain and wind associated with Hanna did not affect north and central Georgia area, a significant northwest-southeast oriented feeder band associated with Hanna moved across north and central Georgia during the mid and late afternoon Saturday. Wind gusts of 45 to 50 mph and very heavy tropical thunderstorms accompanied the feeder band. Numerous trees and power lines were blown down as the feeder band moved rapidly northeast through the afternoon. Many residents of north Georgia were left without power for at least a few hours. In the Atlanta metropolitan area alone, 48,000 residents were left without power. There were also scattered areas of urban and street flooding as up to 2 inches or more of rain fell in association with the feeder band in a one to two hour period. The heaviest rain fell across the counties north of a line from Atlanta to Athens. Additional rain fell across the region Saturday night and Sunday morning, but was considerably less intense, confined mainly to central Georgia, and was not accompanied with damaging winds. Three day rainfall totals in association with Hanna were in excess of 3 inches across much of northeast, east central, and the southern portions of middle Georgia. Athens reported 3.54 inches on September 14th alone, with a 3-day total of 5.03 inches. The average rainfall amount for north Georgia stations for the month was in excess of 7 inches, and was nearly 5 inches for middle Georgia. These rainfall amounts are approximately 3.5 and 1.5 inches above normal, respectively. Several stations, particularly in north Georgia had in excess of 10 inches of rain during the month, with 12.47 inches at Carrollton, 11.23 inches at Embry, 11.02 inches at Alto, 10.10 inches at Hawassee, and 10.06 inches at Taylorsville. Despite the heavy rainfall, flooding problems were minimal, since north and central Georgia had been in a 4-year drought.
7/1/2003	Tropical Storm	0	0		0	0	Tropical Depression Bill, which was earlier Tropical Storm Bill, tracked across north and central Georgia during the day bringing heavy rain, flooding, wind damage, and even an isolated tornado to the region. The storm, which formed in the Gulf of Mexico Sunday morning, June 29th, moved inland between New Orleans, Louisiana and Mobile, Alabama on Monday June 30th, then tracked northeast to near Tuscaloosa, Alabama by the morning of July 30th, then turned east-northeast and accelerated. The depression moved between Birmingham, Alabama and Atlanta, Georgia during the afternoon of July 1st, exiting northeast Georgia after midnight on July 2nd. Twenty-four rainfall totals of four to six inches were common on July 1st across much of north and portions of central Georgia, roughly north of a line from Columbus to Athens. Rainfall amounts were generally in the 1 to 2 inch range south of this line. There were numerous reports of flooding, especially in the Atlanta metropolitan area, and a number of roads were rendered impassable and closed. The ground across north and central Georgia was saturated from a number of weeks of above normal rainfall and the tropical storm rainfall just exacerbated the situation. As the center of circulation associated with the tropical depression tracked across north Georgia, a brief F1 tornado spinup occurred in Morgan county southwest of Madison in east central Georgia. There were also other isolated wind damage reports in areas east and southeast of Atlanta from Stockbridge to Madison to Athens.

Tropical Storm Event History Table

DATE	Event Type	INJURIES	FATALITIES	Mag	P+D	C+D	REMARKS
9/6/2004	Tropical Storm	0	0		0		<p>Hurricane Frances, at one point a category four hurricane (on the Saffir-Simpson scale) with sustained winds of 145 mph, reached the east coast of Florida just north of West Palm Beach. Florida early on September 5th. The storm weakened to a Tropical Storm as it continued west-northwest across the Central Florida Peninsula reemerging over the northwest Gulf of Mexico early on September 6th. The storm then took on more of a northwesterward movement, making landfall later on the 6th near Saint Marks Florida along the Florida Panhandle Gulf Coast. Continuing north-northwestward from this point, Tropical Storm Frances entered far southwest Georgia near Bainbridge late in the evening on the 6th. The storm continued moving north-northwest through far western Georgia on the 7th to near Atlanta around midnight on the 7th, then to near Chattanooga, Tennessee early on the 8th. By far the most significant problem with Frances for Georgia was strong, sustained winds of 35 to 40 mph with gusts in excess of 50 mph. Most of the high winds were concentrated in a large east-west oriented rain band that moved north across Georgia during the evening of the 6th and the early morning hours of the 7th. It was during this period of time that significant damage occurred across many Central, East Central, and North Central Georgia counties. The strongest winds and most significant damage occurred in the areas east and south of a line from Americus, to Atlanta, to Athens. Many of the counties within this area suffered extensive wind damage. Dozens to hundreds of trees were blown down, also bringing down dozens to hundreds of power lines. Nearly 300,000 people were left without power during the storm, several thousand for several days.</p>
9/16/2004	Tropical Storm	0	0		0		<p>Hurricane Ivan, a classic long-lived Cape Verde hurricane and at three times within its life cycle a category five hurricane, developed from a tropical wave which moved off the African coast on August 31st. The system became a tropical depression on September 2nd, and tropical storm on September 3rd, and a hurricane early on September 5th. Later that same day, it became a major hurricane. Ivan moved westward for several days and passed over the southern Windward islands, then moved west-northwest through the southern Caribbean passing just north of Venezuela and the Netherlands Antilles. The hurricane reached category five strength on September 9th as it neared Jamaica. The hurricane weakened to a category four storm as it passed near Jamaica. The storm maintained its category four strength as it turned slightly west of north until the 11th when it briefly strengthened once again to a category five storm. The storm passed near Grand Cayman and the west tip of Cuba from September 11th to the 12th as mostly a category four hurricane. The storm then turned to the northwest and moved through the Yucatan Channel. It briefly regained category five strength one more time as it moved through the Gulf, but weakened to a category three hurricane by the time it struck the U.S. Gulf Coast near Gulf Shores, Alabama around 2 am September 16th. From here, the weakening hurricane moved nearly due north to near Birmingham by the evening of the 16th. By this time it had weakened to a tropical storm. The storm then turned northeast across northwest Georgia during the early morning hours of the 17th as it weakened to a tropical depression. Ivan brought 0 tornadoes, high winds, and significant to record flooding to north and central Georgia. The track of Ivan across central and northeast Alabama also put much of central and eastern Georgia in the favorable quadrant for strong spiral feeder bands and tornadoes. Six tornadoes were confirmed with Ivan causing an estimated \$3.4 million dollars in damages. These tornadoes consisted of two F1 tornadoes, one each in Madison and Wilkes county in northeast Georgia, with one F0 tornado reported in Cherokee, Madison, Spalding, and Upson counties. Numerous reports of funnel clouds and other tornado sightings were reported, but no other tornado touchdowns were confirmed. Flooding was extensive and widespread across the west central, north central, and northwest parts of the state. Average rainfall of 5-8 inches was reported in much of the area northwest of a Columbus, to Athens line, with some areas from Atlanta northwest to Trenton reporting in excess of 10 inches of rain. This rain fell just a little over a week from the 3-5 inches of rain which occurred from Tropical Storm Frances. Catastrophic and historical flooding occurred in the Atlanta area, where the excessive rainfall forced many creeks and rivers to record levels. Dozens of homes and businesses in Fulton, Cobb, DeKalb, and Cherokee counties were submerged in flood waters, some for several days thereafter. Extensive flooding was also reported further north and west, especially in Dade and Glimmer counties, where homes and vehicles were washed away by flood waters. Damage estimates from flooding in the Peachtree City forecast area were \$40.9 million dollars. Overall, sustained high winds with Ivan affected less of north and central Georgia than was observed with Frances, just 10 days prior.</p>

Tropical Storm Event History Table

DATE	Event Type	INJURIES	FATALITIES	Mag	P+D	C+D	REMARKS
9/26/2004	Tropical Storm	0	0		0	0	<p>Hurricane Jeanne was the third major southeast U.S. land falling hurricane to affect Georgia within a three week period, following just 10 days after Hurricane Ivan, which followed just 10 days after Hurricane Frances. Jeanne caused the least damage to north and central Georgia counties of the three tropical systems to affect the state during the month of September. High winds were limited mainly to the southeast portions of middle Georgia and flooding rains were limited to the Atlanta area and south middle Georgia counties. No tornadoes were observed with Jeanne as the favorable tornado-producing spiral feeder bands remained well east over the Carolinas and western Atlantic. Hurricane Jeanne developed on September 13th from a tropical wave over the Leeward Islands. Jeanne moved slowly across the Virgin Islands and Puerto Rico on the 15th, then slowly over the Dominican Republic and Haiti the 16th and 17th. Most of this time, the storm maintained only strong tropical storm strength. Jeanne then took a northward turn on the 18th and moved across the southeastern Bahamas as a tropical storm. From this point, Jeanne meandered through a slow clockwise loop from the 20th through 23rd, when the loop was finally completed. During this time the storm strengthened to a category two hurricane. Jeanne then began a slow westward track on the 23rd and strengthened to a category three hurricane. The storm then made landfall on the 25th, just north of West Palm Beach, Florida, at almost the exact same location as Hurricane Frances had done 20 days prior. Jeanne weakened to a tropical storm as it turned north-northwest across central Florida on the 26th and then weakened into a tropical depression as it moved into southern Georgia early on the 27th. The storm tracked from near Valdosta during the early morning hours of the 27th, reaching Macon around sunset on the 27th, then accelerating into northeast Georgia near Athens by midnight and out of the state early on the 28th. High winds of 35 to 40 mph with some higher gusts were confined mainly to the central and southeast portions of middle Georgia, roughly southeast of a line from Macon to Sandersville. Rainfall of 4-6 inches was also common in much of middle Georgia, but flooding problems observed in these areas were minor. However, during the evening, a deformation zone developed on the northwest side of the center of circulation around Jeanne over the Atlanta metropolitan area. This unfortunately brought excessive rainfall of 4 to 8 inches to some of the same areas that received in excess of 10 inches of rain just 10 days prior with Ivan. Once again major to record flooding was observed along several creeks on the north side of Atlanta and subsequently the Chattahoochee River. Many homes that were in the stages of cleanup from Ivan, were severely impacted once again with major flooding. Overall damages from flooding and high winds were estimated at \$5,000,000.</p>
6/12/2005	Tropical Storm	0	0		0	0	<p>Tropical Storm Arlene, which formed on June 8th near the northeast coast of Honduras, became a tropical storm on the 9th southwest of Grand Cayman. Arlene moved slowly northward and steadily intensified as it crossed western Cuba. The storm continued northward over the eastern Gulf of Mexico where it reached its peak intensity with a wind speed of 70 mph. The storm made landfall near Pensacola, Florida with 60 mph on the 10th. The storm moved slowly northward through central and western Alabama on the 11th and 12th. Damage to Georgia from the storm was minimal. While rain occurred in many areas, only one flash flooding event was reported in association with Arlene, namely in Towns county on the 12th.</p>

Tropical Storm Event History Table

DATE	Event Type	INJURIES	FATALITIES	Mag	P+D	C+D	REMARKS
7/6/2005	Tropical Storm	0	0		0		Tropical storm Cindy moved onshore near New Orleans, Louisiana around 6 am EDT July 6th. The remains of Cindy then moved northeast across southern Mississippi and central Alabama between Birmingham and Montgomery by 8 pm EDT on the 6th, then moved into north Georgia near Cedartown shortly after midnight then across north Georgia during the morning hours on July 7th. Areas north of Cedartown, to Atlanta, to Gainesville experienced many hours of light to moderate rain with average rainfall amounts from 3 pm EDT on the 6th to 7 am EDT on the 7th of one to two inches. However, the main problem with tropical storm Cindy was associated with spiral feeder bands that moved into west central Georgia shortly after 3 pm EDT July 6th and then tracked across west central, north central, and northeast Georgia during the evening hours. The timing of the arrival of the spiral bands into the area combined with peak heating to produce several bands of strong thunderstorms with tornadoes, damaging winds, flash flooding, and even some hail. The strongest thunderstorms, producing flash flooding and tornadoes, were confined to an area approximately 50 miles wide that extended from Franklin, to Peachtree City, to McDonough, to Monroe, to Danielsville. Six tornadoes were confirmed during the evening hours including an F2 and two F1s in Henry county, and an F0 each in Meriwether, Coweta, and Fayette. The F2 tornado in Henry county caused extensive damage to the Atlanta Motor Speedway and adjacent Tara Field Airport and then traveled into southeast Clayton county causing damage to 70 homes. Numerous trees and power lines were down throughout many of the west central and Atlanta metropolitan counties, even where tornadoes did not occur. Power outages were widespread and many residents of these areas were without power throughout the night.
7/10/2005	Hurricane (Typhoon)	0	0		0		Hurricane Dennis, which began as a tropical depression near the southern Windward Islands on July 4th quickly gained strength as it tracked west-northwest across the Caribbean. It became a tropical storm on the 5th and a hurricane on the 6th as it moved near the southern end of Haiti. Hurricane Dennis made its first landfall near central Cuba as a category 4 storm on the Saffir-Simpson scale. The storm emerged into the Gulf of Mexico off the western end of Cuba on July 9th as a category 1 storm, then tracked northwest toward the Gulf Coast. Hurricane Dennis made its U.S. landfall near Pensacola, Florida around 3 pm on July 10th, then tracked north-northwest across western Alabama into northeast Mississippi and western Tennessee on July 11th. The effects of Dennis with respect to flooding were far reaching, especially on the east and north side of the storm. The first outer spiral band affected north and central Georgia during the afternoon and evening of July 9th. Numerous thunderstorms, some with very heavy rain tracked east to west across central and north Georgia. Rainfall amounts of two to four inches were reported on the south and west side of Atlanta. Flash flooding was reported in Carroll county where rainfall exceeded four inches in spots. Several roads were washed out. After a break in the rainfall overnight, widespread rain began to spread into the area from the south late in the morning on the 10th and overspread the entire region by late afternoon. Rainfall during the afternoon and early evening was mostly light to moderate with rainfall amounts prior to 8 pm were generally in the one to two inch range. However, as the evening progressed, the rain became increasingly concentrated in a south-to-north oriented 50-mile wide feeder band. The tropical feeder band set up from near Americus to Chatsworth and persisted over the same areas for a period of 12 to 15 hours. Torrential rainfall amounts fell in areas affected by the feeder band as very heavy tropical showers repeatedly tracked over the same areas. Rainfall amounts of six to eight inches were common within the feeder band, with 10-12 inch rainfall amounts reported across the southern and western portions of the Atlanta metropolitan area. Widespread flash flooding and flooding were reported, especially in Coweta, Douglas, Fayette, Fulton, and Cobb counties. Hundreds of roads were washed out and hundreds of homes experienced some degree of flooding, some major. Several rescues were required, particularly in Douglas and Cobb counties.

Tropical Storm Event History Table

DATE	Event Type	INJURIES	FATALITIES	Mag	P+D	C+D	REMARKS
8/29/2005	Hurricane (Typhoon)	0	0		0	0	Hurricane Katrina, a horrific category 4 hurricane with winds of 140 mph made landfall just east of New Orleans around 8 am August 29th, continued north-northeast as a hurricane across eastern Mississippi during the day on the 29th, then moved into western and middle Tennessee by early morning on August 30th. While this storm will be most remembered for the extensive devastation that was done to southeast Louisiana, particularly New Orleans, and eastward along the Mississippi Gulf Coast, Katrina was a very large and powerful storm with far reaching effects to the east. By mid-afternoon on August 29th, strong spiral bands of showers and thunderstorms made their way into west Georgia. These spiral bands gradually propagated eastward through the state during the evening and overnight hours. Between 4 pm EDT and 1 am EDT, a total of 16 confirmed tornadoes touched down in north and central Georgia. The first tornado struck northern Heard county at 4:24 pm EDT, while the last tornado struck the town of Helen in the northeast Georgia mountains shortly after midnight at 12:30 am EDT. All together there were three F2 tornadoes, three F1 tornadoes, and ten F0 tornadoes within north and central Georgia. These tornadoes resulted in one fatality and six injuries. Dozens of homes and businesses were destroyed with property damage estimated at \$12,860,000. The poultry industry was particularly hard hit, especially in west Georgia, where the tornadoes in Heard and Carroll counties destroyed over 300,000 chickens in nearly a dozen chicken houses. Strong thunderstorms with damaging winds were also reported in several counties that did not experience any tornadoes. Overall damage associated with Katrina in north and central Georgia was approximately \$14,000,000.
10/5/2005	Tropical Storm	0	0		0	0	Tropical storm Tammy developed just east of the central Florida coast on the 5th of October as the result of a complex interaction between an upper-level low and a tropical wave. The storm quickly strengthened from tropical depression status to a tropical storm early on the 5th about 20 miles east of Cape Canaveral, Florida. The storm moved north-northwest parallel to the Florida coast most of the 5th until it turned northwest and made landfall along the northeast Florida coast near Mayport, Florida late on the 5th. Its maximum sustained winds were only 50 mph. Tammy moved west across south Georgia and southwest Alabama on the 6th before becoming absorbed into an extratropical low pressure area over the Florida Panhandle. The main effects of Tammy on north and central Georgia consisted of approximately two days of a steady light to moderate rain. However from late on the 5th through much of the 6th, bands of heavier rain showers affected much of eastern Georgia. Two-day rainfall totals of three to five inches were common across east Georgia, mostly east of a line from Athens to Dublin. Areas immediately west of this line received generally one to two inches of rain, while the western most counties of Georgia against the Alabama border received less than one inch of rain in association with tropical storm Tammy. No tornadoes occurred and no wind damage or flooding was reported in north or central Georgia in association with Tammy. The rain that fell as a result of Tammy followed a period of nearly 40 days during which most of the region had received less than 0.10 inch of rain. Wind associated with this system across north and central Georgia was for the most part 15 mph or less.
8/21/2008	Tropical Storm	0	0		0	0	Tropical Storm Fay will be remembered from the catastrophic rainfall that it brought to much of Florida as well as being one of the longer lived tropical systems to affect the U.S. Tropical Storm Fay formed from a tropical wave on August 15th along the east coast of Hispaniola. The storm moved west along the south coast of Cuba before reaching a weakness in the subtropical ridge to its north causing it turn north-northwestward into central Cuba by the 17th. Fay continued to track north-northwest through the Florida straits and Florida Keys on the 18th before turning northeast toward the Florida peninsula. The storm made landfall on August 19th in southwest Florida at Cape Romano as a tropical storm with winds of 60 mph. Fay continued to move very slowly northeast across the central Florida peninsula, well maintaining its strength along the way, reaching the northeast coast of Florida on August 21st. At this point, a strengthening subtropical ridge and surface high over the mid-Atlantic region forced Fay to take a sharp westward turn toward the Florida panhandle. The storm tracked west to west-northwest from the 22nd through the 25th into extreme southeast Louisiana before reaching the western end of the subtropical ridge and an approaching frontal system. Thus, Fay once again turned back toward the northeast across central Mississippi and central/northern Alabama before finally becoming absorbed into the mean flow and a frontal system located across the Tennessee Valley.

Tropical Storm Event History Table

DATE	Event Type	INJURIES	FATALITIES	Mag	PtD	CtD	REMARKS
11/10/2009	Tropical Storm	0	0		0	0	Hurricane Ida moved inland near Mobile, Alabama early on the 10th and then tracked east-northeast across southern Alabama, southern Georgia, and the Florida Panhandle before emerging off the east coast as a strong low pressure system. The remnants of the hurricane combined with a cold air wedge across north Georgia to bring abundant Atlantic and Gulf moisture into the region. Twelve to 18-hour rainfall totals of 4-5 inches across north Georgia aggravated totally saturated soils from an on of the wettest September and October periods on record to result in widespread creek, stream, and river flooding. The generally light to moderate intensity of the rainfall and its persistence over a long period of time resulted in limited flash flooding. Damages from Hurricane Ida to Georgia were confined to minor flooding, mostly adjacent to rivers, creeks, and streams. Some locations experienced flooding subsequently for several days. Only 15 to 20 mph winds with some gusts to 25 mph were observed with the remnants of Ida as the tightly concentric wind field weakened rapidly with the inland movement. In addition, no tornadoes were observed with the remnants of Ida as it tracked across the region. Total damages from Ida within the Peachtree City, Georgia forecast area were well less than \$100,000.
9/4/2011	Tropical Storm	0	0		0	0	The remnants of Tropical Storm Lee impact north and central Georgia.
9/11/2017	Tropical Storm	0	0		50,000	0	The news media reported numerous trees and power lines blown down across the county. No injuries were reported.
10/10/2018	Tropical Storm	0	0		0	0	A National Weather Service survey consisting of an analysis of measured wind data, along with reports from Emergency Managers and various other local, state and federal officials, found that tropical storm conditions occurred in the county. There were numerous reports of trees and power lines blown down. Wind speeds were estimated between 30 and 40 mph.

Thunderstorm Event History Table

DATE	Event Type	NAME	INJURIES	FATALITIES	Mag	PrD	CrD	REMARKS
2/10/1960	Thunderstorm Wind	Hancock	0	0		30	0	WIND, RAIN, HAIL
3/30/1960	Thunderstorm Wind	Hancock	0	0		30	0	WIND, HAIL, RAIN
7/17/1962	Thunderstorm Wind	Hancock	0	0		30	30	Wind, hail, rain, and lightning
7/24/1962	Thunderstorm Wind	Hancock	0	0		50	0	Wind, hail, and rain
5/27/1963	Thunderstorm Wind	Hancock	0	0		60	0	Rain, wind, hail and electrical
4/8/1964	Thunderstorm Wind	Hancock	0	0		5260	530	Heavy Rains
5/3/1964	Thunderstorm Wind	Hancock	0	0		3140	3140	RAINS
5/21/1964	Thunderstorm Wind	Hancock	0	0		2380	240	WIND, RAIN, AND HAIL
9/30/1965	Thunderstorm Wind	Hancock	0	0		310	3140	RAIN AND WIND
2/13/1966	Thunderstorm Wind	Hancock	0	0		3140	310	WIND AND RAIN
3/5/1966	Thunderstorm Wind	Hancock	0	0		3140	310	RAIN AND WIND
7/9/1967	Thunderstorm Wind	Hancock	0	0		30	310	Wind, rain, hail, and lightning
7/22/1967	Thunderstorm Wind	Hancock	0	0		420	0	Wind, rain, and lightning
1/20/1969	Thunderstorm Wind	Hancock	0	0		1190	120	Heavy Rain
3/22/1970	Thunderstorm Wind	Hancock	0	0		310	0	HEAVY RAINS, WIND AND LIGHTNING
3/4/1971	Thunderstorm Wind	Hancock	0	0		3140	30	HEAVY RAINS
4/23/1971	Thunderstorm Wind	Hancock	0	0		310	314.47	WIND, RAIN, HAIL, AND LIGHTNING
6/14/1971	Thunderstorm Wind	Hancock	0	0		310	0	SEVERE THUNDERSTORM

Thunderstorm Event History Table

DATE	Event Type	NAME	INJURIES	FATALITIES	Mag	PrD	CrD	REMARKS
6/15/1971	Thunderstorm Wind	Hancock	0	0		210	0	Thunderstorms
6/28/1972	Thunderstorm Wind	Hancock	0	0		310	0	THUNDERSTORMS
2/2/1973	Thunderstorm Wind	Hancock	0	0		3140	0	HEAVY RAINS
4/7/1973	Thunderstorm Wind	Hancock	0	0		60	0	Heavy Rains
3/21/1974	Thunderstorm Wind	Hancock	0	0		31450	0	THUNDERSTORM & WIND
3/21/1974	Thunderstorm Wind	Hancock	0	0	0	0	0	
5/16/1975	Thunderstorm Wind	Hancock	0	0		1000	100	Thunderstorms
6/6/1977	Thunderstorm Wind	Hancock	0	0		6670	70	Severe thunderstorms
4/18/1978	Thunderstorm Wind	Hancock	0	0	0	0	0	
7/5/1979	Thunderstorm Wind	Hancock	0	0	0	0	0	
12/28/1983	Thunderstorm Wind	Hancock	0	0	0	0	0	
4/4/1989	Thunderstorm Wind	Hancock	0	0	55 kts	0	0	
2/10/1990	Thunderstorm Wind	Hancock	0	0	0	0	0	
7/1/1990	Thunderstorm Wind	Hancock	0	0	0	0	0	
3/21/1991	Thunderstorm Wind	Hancock	0	0	0	0	0	
3/29/1991	Thunderstorm Wind	Hancock	0	0		500	0	Thunderstorm Wind
1/19/1992	Thunderstorm Wind	Hancock	0	0		0	0	Rain, Light Snow, Heavy Snow
2/22/1993	Thunderstorm Wind	Hancock	0	0		500	0	Thunderstorm winds

Thunderstorm Event History Table

DATE	Event Type	NAME	INJURIES	FATALITIES	Mag	P-rD	CrD	REMARKS
2/22/1993	Thunderstorm Wind	Sparta	0	0	52	5000	0	Several large tree limbs were downed.
3/22/1993	Thunderstorm Wind	Sparta	0	0	52	0	0	
5/1/1994	Wind	Linton	0	0		5000	0	hickory trees 2W of Linton. Between 30 and 40 homes
5/15/1994	Thunderstorm Wind	Sparta	0	0		5000	0	Thunderstorm winds downed several large trees along Georgia Highway 16.
7/26/1995	Thunderstorm Wind	Hancock	0	0		500	0	THUNDERSTORM WIND
7/26/1995	Thunderstorm Wind	Sparta	0	0		50000	0	Thunderstorm winds knocked trees down on power lines in White Plains and Sparta.
6/8/1996	Thunderstorm Wind	DEVEREUX	0	0		2000	0	Thunderstorm winds knocked down trees and one power line. The roof of one home had roof damage.
6/8/1996	Thunderstorm Wind	Hancock	0	0		2000	0	TSTM WIND
9/21/1996	Thunderstorm Wind	LINTON	0	0		0	0	Thunderstorm winds knocked down trees on Beulah Church Road near Linton.
4/22/1997	Thunderstorm Wind	Hancock	0	0		4500	0	THUNDERSTORM WIND
4/22/1997	Thunderstorm Wind	SPARTA	0	0		4500	0	Several large trees and power lines were down across roads in Sparta, and numerous trees were downed in
7/27/1997	Thunderstorm Wind	Hancock	0	0		2000	0	THUNDERSTORM WIND
7/27/1997	Thunderstorm Wind	SPARTA	0	0		2000	0	Several trees and limbs were knocked down by thunderstorm winds in Mayfield.
7/6/1999	Thunderstorm Wind	Hancock	0	0		2000	0	TSTM WIND
7/6/1999	Thunderstorm Wind	SPARTA	0	0		2000	0	Hancock county 911 reported several trees were down on power lines.
1/19/2001	Thunderstorm Wind	Hancock	0	0		3000	0	
1/19/2001	Thunderstorm Wind	SPARTA	0	0		3000	0	The Hancock county 911 center reported that trees were blown down 5 miles east of Sparta and also on the
6/3/2001	Thunderstorm Wind	COUNTYWIDE	0	0		7000	0	The Hancock County Sheriff's Office reported that trees and power lines were down all across the county.
6/3/2001	Thunderstorm Wind	Hancock	0	0		7000	0	
7/31/2002	Thunderstorm Wind	Hancock	0	0		1000	0	

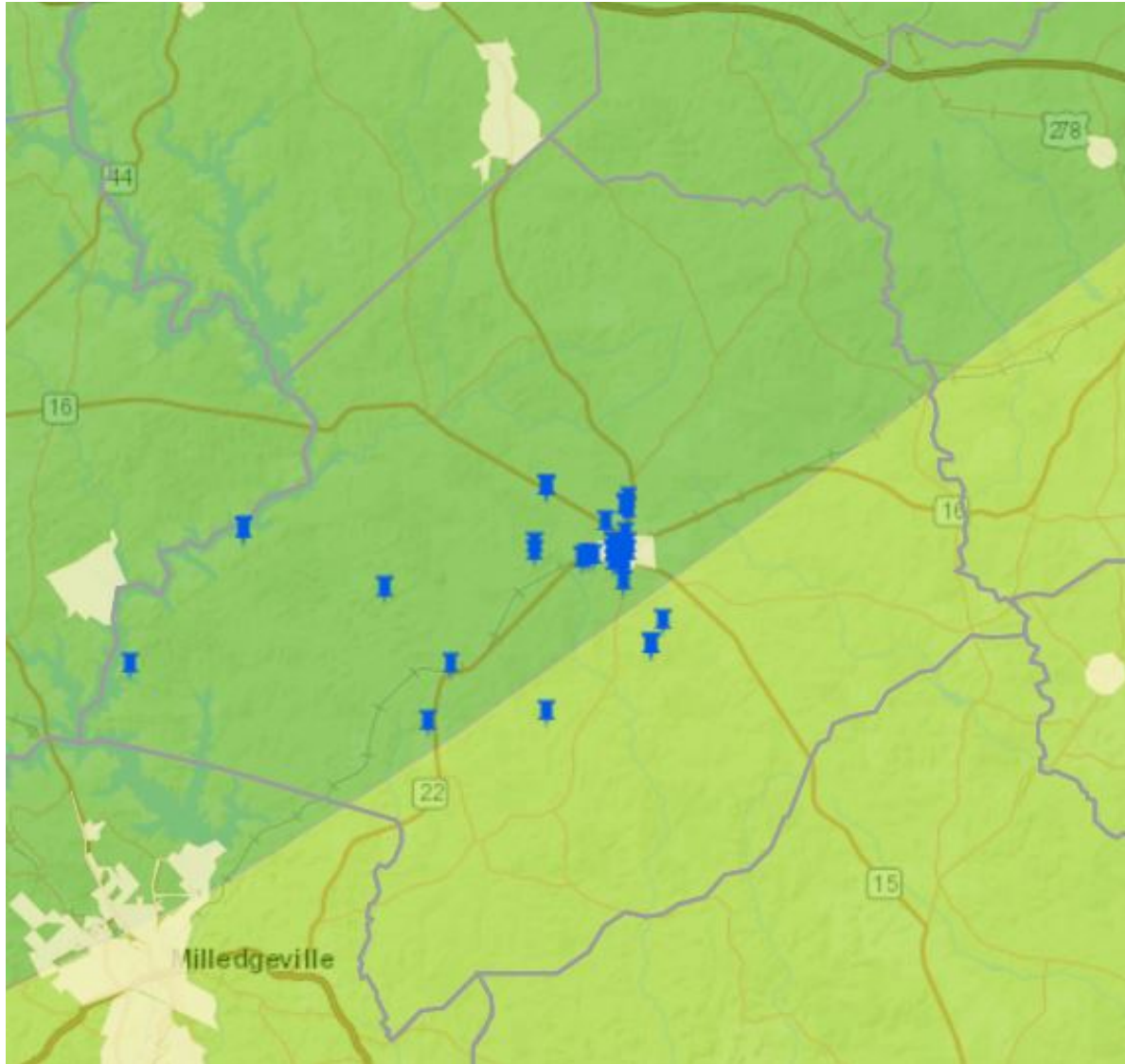
Thunderstorm Event History Table

DATE	Event Type	NAME	INJURIES	FATALITIES	Mag	P-rD	C-rD	REMARKS
7/31/2002	Thunderstorm Wind	SPARTA	0	0		1000	0	The Hancock county 91.1 center reported that several trees were down along Georgia Highway 77 northwest
8/1/2002	Thunderstorm Wind	Hancock	0	0		10000	0	
8/1/2002	Thunderstorm Wind	SPARTA	0	0		10000	0	thunderstorm winds ripped off a newly installed metal roof at the Sparta High School. This portion of the
2/22/2003	Thunderstorm Wind	Hancock	0	0		3000	0	
2/22/2003	Thunderstorm Wind	SPARTA	0	0	50 kts. EG	3000	0	The Hancock county 91.1 center reported that several trees and some power lines were blown down.
3/22/2003	Thunderstorm Wind	Hancock	0	0		3000	0	
5/14/2006	Thunderstorm Wind	Hancock	0	0		1500	0	Thunderstorm Wind (G39)
5/14/2006	Thunderstorm Wind	LINTON	0	0	39 kts. EG	1500	0	reported that two large oak trees were down on power lines on Linton Road along the Hancock/Glascock county
3/1/2007	Thunderstorm Wind	DEVEREUX	0	0	52 kts. EG	100000	0	reported that numerous trees and power lines were down along or near Georgia Highways 22 and 16 from
5/20/2008	Thunderstorm Wind	Hancock	0	0		5000	0	Thunderstorm Wind (52EG)
5/20/2008	Thunderstorm Wind	SHOULDERBO NE	0	0	52 kts. EG	5000	0	trees and power lines were down throughout the county. Radar data supports that a bow echo moved
7/21/2008	Thunderstorm Wind	Hancock	0	0		2000	0	Thunderstorm wind (39EG)
7/21/2008	Thunderstorm Wind	SPARTA	0	0	39 kts. EG	2000	0	trees were down, a couple on power lines. Several downbursts were reported resulting in a number of
7/31/2010	Thunderstorm Wind	Hancock	0	0		2000	0	
11/30/2010	Thunderstorm Wind	DEVEREUX	0	0	39 kts. EG	1000	0	reported that two trees and one power line were down near Lake Sinclair.
11/30/2010	Thunderstorm Wind	Hancock	0	0		1000	0	
4/5/2011	Thunderstorm Wind	DEVEREUX	0	0	50 kts. EG	100000	0	reported that dozens of trees were down across the county, including several on homes. Several people

Thunderstorm Event History Table

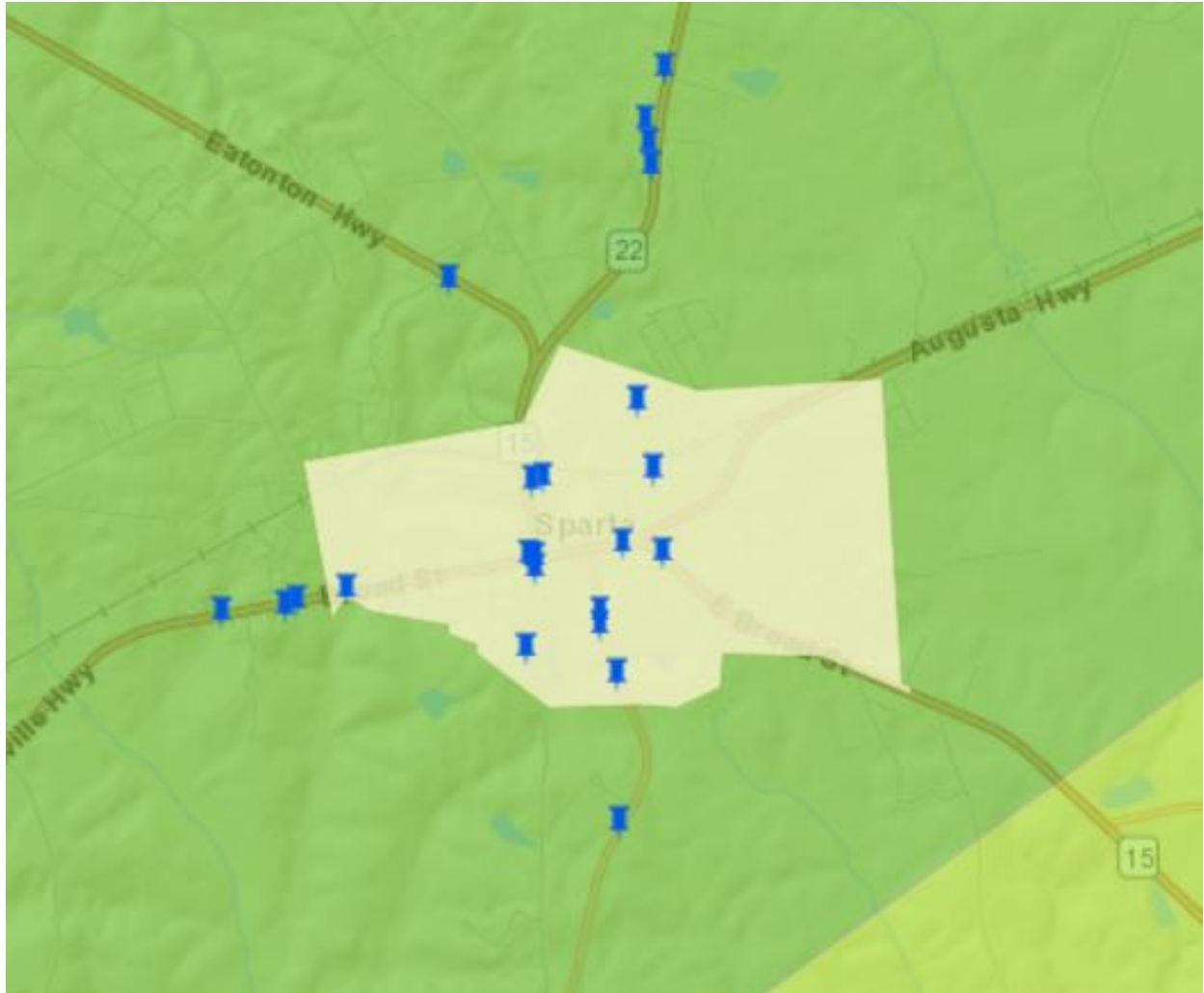
DATE	Event Type	NAME	INJURIES	FATALITIES	Mag	P-rD	C-rD	REMARKS
4/5/2011	Thunderstorm Wind	Hancock	0	0		100000	0	
3/18/2013	Thunderstorm Wind	SHOULDERBO NE	0	0	60 kts. EG	5000	0	The Hancock County 91.1 Center reported numerous trees down across the county.
6/30/2015	Thunderstorm Wind	SPARTA	0	0	50	6000	0	The Hancock County Emergency Manager reported a couple of large pecan trees blown down in Sparta.
8/6/2015	Thunderstorm Wind	SHOULDERBO NE	0	0	45	1000	0	The Hancock County 91.1 Center reported a tree blown down on Highway 16 near Shoulderbone.
6/28/2016	Thunderstorm Wind	MOUNT ZION	0	0	50	4000	0	The Hancock County 91.1 center reported 6 trees blown down near Highways 16 and 22.
7/6/2016	Thunderstorm Wind	SHOULDERBO NE	0	0	50	4000	0	The Georgia Department of Transportation reported trees blown down and blocking the road along Highway 16 near Green Springs Road and along Highway 22 near mile post 12.
11/30/2016	Thunderstorm Wind	SANDY RUN	0	0	50	7000	0	The Hancock County 91.1 center reported several trees blown down in the Holiday Shores area.
1/21/2017	Thunderstorm Wind	GLENFORD	0	0	50	75000	0	The Hancock County Emergency Manager reported numerous trees and power lines blown down on the west side of Sparta. One tree fell on and destroyed a home.
3/21/2017	Thunderstorm Wind	GUM HILL	0	0	65	20000	0	The Washington EMC reported numerous power poles blown down and snapped across the county.
4/3/2017	Thunderstorm Wind	SHOULDERBO NE	0	0	50	12000	0	The Hancock County Emergency Manager reported trees blown down from around the intersection of Hunts Chapel Road and Highway 16 into downtown Sparta.
4/3/2017	Thunderstorm Wind	SPARTA	0	0	50	6000	0	The broadcast media reported trees blown down on Highway 15 between the Dollar General and On-the-Way Motors.
3/20/2018	Thunderstorm Wind	GRANITE HILL	0	0	50	6000	0	The Hancock County 91.1 center reported trees and a power line blown down on Springfield Road near Highway 15.
9/26/2018	Thunderstorm Wind	SPARTA	0	0	45	1000	0	The Hancock County 91.1 center reported a tree blown down on Gilbert Circle.
			0	0		672620	8644.47	681264.47

HANCOCK COUNTY GMIS WIND MAP



Score	Original Value	Description
5	> 120 mph	3 second gust greater than 120 mph
4	110 to 119 mph	
3	100 to 109 mph	
2	90 to 99 mph (or ZONE IV)	This score is also given to an area with Zone IV of the "Design Wind Speed Map for Community Shelters," representing an area exposed to 250 mph winds. This area is the Northwestern corner of the state.
1	< 90 mph	

SPARTA GMIS WIND MAP



Score	Original Value	Description
5	> 120 mph	3 second gust greater than 120 mph
4	110 to 119 mph	
3	100 to 109 mph	
2	90 to 99 mph (or ZONE IV)	This score is also given to an area with Zone IV of the "Design Wind Speed Map for Community Shelters," representing an area exposed to 250 mph winds. This area is the Northwestern corner of the state.
1	< 90 mph	

Hail Event History Table

DATE	Event Type	NAME	INJURIES	FATALITIES	Mag	PID	CID	REMARKS
2/10/1960	Hail	Hancock	0	0		31.45	0	WIND, RAIN, HAIL
3/30/1960	Hail	Hancock	0	0		31.45	0	WIND, HAIL, RAIN
5/26/1960	Hail	Hancock	0	0		31.45	0	WIND, HAIL, ELECTRICAL
5/16/1962	Hail	Hancock	0.02	0		43.1	43.1	WIND, HAIL, ELECTRICAL
5/28/1962	Hail	Hancock	0	0		11.11	11.11	WIND AND HAIL
7/17/1962	Hail	Hancock	0	0		31.45	31.45	Wind, hail, rain, and lightning
7/24/1962	Hail	Hancock	0	0		51.02	5.1	Wind, hail, and rain
5/27/1963	Hail	Hancock	0	0		66.67	6.67	Rain, wind, hail and electrical
5/21/1964	Hail	Hancock	0	0		2380.95	238.1	WIND, RAIN, AND HAIL
3/17/1965	Hail	Hancock	0	0		943.4	0	HAIL AND WIND
11/22/1965	Hail	Hancock	0	0		31.45	0	electrical, wind and hail
7/9/1967	Hail	Hancock	0	0		31.45	314.47	Wind, rain, hail, and lightning
6/2/1968	Hail	Hancock	0	0		314.47	0	Wind, hail, and lightning
4/23/1971	Hail	Hancock	0	0		314.47	314.47	WIND, RAIN, HAIL, AND LIGHTNING
3/17/1996	Hail	SPARTA	0	0	0.75 in.	0	0	
5/7/1996	Hail	SPARTA	0	0	1.00 in.	0	0	Hancock county sheriff's office reported quarter size hail.
6/26/1998	Hail	MAYFIELD	0	0	0.75 in.	0	0	
6/4/1999	Hail		0	0	1.00 in.	0		On the morning of June 4th, a moist and unstable airmass was in place across the Southeast states, including Georgia. As a frontal system moved slowly south from Tennessee into north Georgia, a severe thunderstorm outbreak affected most of north and central Georgia. Large hail was the primary threat, with the wet bulb zero around 10,000 feet. The storms began to form in northwest Georgia around 1 pm local time, and spread south and east throughout the afternoon and into the late evening. The worst damage was reported across the extreme southern part of the Peachtree City warning area. Pulaski County, in south central Georgia, sustained over \$300,000 worth of wind and hail damage, mostly to crops. There were other scattered reports of wind damage from this event, but large hail was the primary severe weather occurrence. Reports from the public and 911 centers indicated over 100 reports of 3/4 of an inch or larger hail, including over five dozen reports of 1 inch size or larger. There were even two reports of hail as large as a baseball and softball in northeast Georgia.
		DEVEREUX						
5/3/2002	Hail	SPARTA	0	0	1.00 in.	0	0	The Hancock county 911 center reported quarter size hail.
5/2/2003	Hail	SPARTA	0	0	0.75 in.	0	0	The Hancock county Emergency Management Director reported penny-sized hail.
12/4/2005	Hail	CULVERTON	0	0	1.00 in.	0	0	A storm spotter reported quarter-sized hail.
3/15/2008	Hail	CULVERTON	0	0	1.00 in.	0	0	The public observed quarter-sized hail on the east side of Lake Sinclair. Radar supported quarter or larger-sized hail with two separate storms further north, north and northeast of Sparta in the same time frame.
3/29/2008	Hail	DEVEREUX	0	0	0.75 in.	0	0	The public observed penny-sized hail.
6/15/2008	Hail	LINTON	0	0	1.00 in.	0	0	A Hancock County Sheriff's Deputy observed quarter-sized hail in the southern part of Hancock county, north of Linton.
7/21/2008	Hail	SPARTA	0	0	0.75 in.	0	0	The Hancock County Emergency Management Director observed penny-sized hail in downtown Sparta at the court house.
4/10/2009	Hail	SHOULDERBONE	0	0	1.75 in.	5000	0	The Hancock County Emergency Management Director relayed a report from a weather spotter of golf ball-sized hail in the Shoulderbone area.

Hail Event History Table

3/28/2010	Hail	DEVEREUX	0	0	1.75 in.	2000	The Hancock County Emergency Management Director relayed a report of golf ball-sized hail from the western part of the county, northwest of Sparta. The public observed golf ball-sized hail just north of Devereux, also in western Hancock county.
6/21/2010	Hail	SHOULDERBONE	0	0	1.00 in.	0	The local newspaper of Eatonton reported that the public observed quarter-sized hail near and just west of Shoulderbone in extreme northwest Hancock county.
9/27/2011	Hail	LINTON	0	0	1.00 in.	0	The Hancock County Emergency Management Director relayed a report of quarter-sized hail from just east-northeast of Beulah in the far south central part of the county.
7/1/2012	Hail	DEVEREUX	0	0	1.00 in.	0	The public reported quarter-sized hail south of Devereux.
8/20/2014	Hail	SHOULDERBONE	0	0	0.75	0	The public reported Penny-sized hail.
			11413.89	995.92			
						12409.81	

Lightning Eveny History Table

DATE	Event Type	NAME	INJURIES	FATALITIES	Mag	PrD	CRD	
5/26/1960	Lightning	Hancock	0	0		31.45	31.45	
5/16/1962	Lightning	Hancock	0.02	0		43.1	43.1	
7/17/1962	Lightning	Hancock	0	0		31.45	31.45	
8/8/1962	Lightning	Hancock	0.01	0		427.35	0	
5/27/1963	Lightning	Hancock	0	0		66.67	6.67	
11/22/1965	Lightning	Hancock	0	0		31.45	0	
7/9/1967	Lightning	Hancock	0	0		31.45	314.47	
7/22/1967	Lightning	Hancock	0	0		420.17	0	
6/2/1968	Lightning	Hancock	0	0		314.47	0	
6/29/1969	Lightning	Hancock	0	0		1020.41	0	
3/22/1970	Lightning	Hancock	0	0		314.47	0	
4/23/1971	Lightning	Hancock	0	0		314.47	314.47	
						3046.91	741.61	3788.52

Critical Facilities by Wind Hazard Score

Jurisdiction	Name	Hazard Score	Value	Replacement Value Year	Building size	Content value	Functional Use value	Facility type	Risk	Daytime Occupancy	Nighttime Occupancy
Hancock County	Hancock County EMS	2	50000	2014	3000			0 Government, Water/Sewer	Essential, Lifeline	4	2
Hancock County	Hancock State Prison	2	1500000	2014	35000			0 Law Enforcement, State Patrol	Vulnerable Population	1595	1575
Sparta city	Sparta Waste Pond	2	250000	2014	1000			0 Government, Water/Sewer	Essential, Lifeline		
Sparta city	Sparta WPCP	2	300000	2014	2000			0 Government, Water/Sewer	Essential, Lifeline		
Hancock County	Betty Hill Senior Citizen Center	1	582923	2014	2500			0 Government, Water/Sewer	Vulnerable Population	25	
Hancock County	Hancock Central High	1	800000	2014	25000			0 Education, K - 12	Vulnerable Population	455	
Hancock County	Hancock County Courthouse	1	8096000	2018	40000	1000000		0 Law Enforcement, Court House,	Essential, High Potential loss, Historic Consideration	18	
Hancock County	Hancock County Fire Station	1	966215	2014	2000	9000000		0 Emergency Services, Fire Fighters	Essential	1	
Hancock County	Hancock County Fire Station #2	1	75000	2014	2400	250000		0 Emergency Services, Fire Fighters	Essential	0	
Hancock County	Hancock County Health Department	1	818284	2014	6360	10977		1631 Government, Water/Sewer	Essential, Lifeline	60	
Hancock County	Hancock County Library	1	1478909	2014	7575	907608		0 Education, Library	Important	65	
Hancock County	Hancock County Magistrate	1	800000	2014	8000			0 Law Enforcement, Court House	Important	9	
Hancock County	Hancock County Service Center	1	394963	2014	2500			0 Education, VoTech	Important, Vulnerable Population	25	
Hancock County	Hancock County Sheriff's Office	1	4406220	2014	2500			0 Law Enforcement, Sheriff	Essential	2	1

Critical Facilities by Wind Hazard Score

Jurisdiction	Name	Hazard Score	Value	Replacement Value Year	Building size	Content value	Functional Use value	Facility type	Risk	Daytime Occupancy	Nighttime Occupancy
Hancock County	Hancock County Development Authority	1	1137489	2014	2500			0 Law Enforcement, State Patrol	Important	3	
Hancock County	Holiday Shores 5-1	1	35000	2013	1200	3000		0 Emergency Services, Fire Fighters	Essential		
Hancock County	Holiday Shores 5-2	1	108364	2013	3000	9050		0 Emergency Services, Fire Fighters	Essential		
Hancock County	John Hancock Academy	1	200000	2014	1200			0 Education, Private	Vulnerable Population	75	
Hancock County	M. e. Lewis Elementary School	1	450000	2014	30000			0 NGO, Water/Sewer	Essential, Vulnerable Population		
Hancock County	Sandersville Technical School	1	2500000	2014	15200			0 Education, VoTech	Important	60	60
Hancock County	Southwest Elementary School	1	450000	2014	30000			0 NGO, Water/Sewer	Essential, Vulnerable Population	642	
Hancock County	Tax Commissioner	1	500000	2014	10000	30000		0 Law Enforcement, State Patrol	Important	10	
Hancock County	Tri-County Health Systems	1	185000	2014	3100	80000		0 Education, VoTech	Essential	15	
Sparta city	Providence Nursing Home	1	656120	2014	12000			0 Government, Water/Sewer	Vulnerable Population	65	45
Sparta city	Robert L Morgan	1	450000	2008	2800			0 Education, VoTech	Essential, Lifeline	15	
Sparta city	Sparta City Hall	1	30000	2014	15000			0 Government, Private	Essential	2	
Sparta city	Sparta Fresh Water Treatment Plant	1	750000	2014	2000			0 Government, Water/Sewer	Essential	1	
Sparta city	Sparta Health Care	1	550000	2014	10000			0 Government, Water/Sewer	Essential, Lifeline	25	

Critical Facilities by Wind Hazard Score

Jurisdiction	Name	Hazard Score	Value	Replacement Value Year	Building size	Content value	Functional Use value	Facility type	Risk	Daytime Occupancy	Nighttime Occupancy
Sparta city	Sparta Lift Station 1	1	100000	2014	100		0	Government, Water/Sewer	Essential, Lifeline		
Sparta city	Sparta Lift Station 2	1	100000	2014	100		0	Government, Water/Sewer	Essential, Lifeline		
Sparta city	Sparta Lift Station 3	1	100000	2014	100		0	Government, Water/Sewer	Essential, Lifeline		
Sparta city	Sparta Lift Station 4	1	100000	2014	100		0	Government, Water/Sewer	Essential, Lifeline		
Sparta city	Sparta Pumping Station	1	250000	2014	1000		0	Government, Water/Sewer	Essential, Lifeline		
Sparta city	Sparta Waste Stabilization Pond	1	500000	2014	2000		0	Government, Water/Sewer	Essential		
Sparta city	Water Tower	1	250000	2014	100		0	Government, Water/Sewer	Essential, Lifeline	0	
Sparta city	Water Tower	1	250000	2014	100		0	Government, Water/Sewer	Essential, Lifeline	0	
Sparta city	Water Tower	1	250000	2014	100		0	Government, Water/Sewer	Essential, Lifeline		
			30420487		281535	11290635	1631			3172	1683

Critical Facilities by Wind Hazard Score

Jurisdiction	Name	Hazard Score	Value	Replacement Value Year	Building size	Content value	Functional Use value	Facility type	Risk	Daytime Occupancy	Nighttime Occupancy
Hancock County	Hancock County EMS	2	50000	2014	3000			0 Government, Water/Sewer	Essential, Lifeline	4	2
Hancock County	Hancock State Prison	2	1500000	2014	35000			0 Law Enforcement, State Patrol	Vulnerable Population	1595	1575
Sparta city	Sparta Waste Pond	2	250000	2014	1000			0 Government, Water/Sewer	Essential, Lifeline		
Sparta city	Sparta WPCP	2	300000	2014	2000			0 Government, Water/Sewer	Essential, Lifeline		
Hancock County	Betty Hill Senior Citizen Center	1	582923	2014	2500			0 Government, Water/Sewer	Vulnerable Population	25	
Hancock County	Hancock Central High	1	800000	2014	25000			0 Education, K - 12	Vulnerable Population	455	
Hancock County	Hancock County Courthouse	1	8096000	2018	40000	1000000		0 Law Enforcement, Court House,	Essential, High Potential loss, Historic Consideration	18	
Hancock County	Hancock County Fire Station	1	966215	2014	2000	9000000		0 Emergency Services, Fire Fighters	Essential	1	
Hancock County	Hancock County Fire Station #2	1	75000	2014	2400	250000		0 Emergency Services, Fire Fighters	Essential	0	
Hancock County	Hancock County Health Department	1	818284	2014	6360	10977		1631 Government, Water/Sewer	Essential, Lifeline	60	
Hancock County	Hancock County Library	1	1478909	2014	7575	907608		0 Education, Library	Important	65	
Hancock County	Hancock County Magistrate	1	800000	2014	8000			0 Law Enforcement, Court House	Important	9	
Hancock County	Hancock County Service Center	1	394963	2014	2500			0 Education, VoTech	Important, Vulnerable Population	25	
Hancock County	Hancock County Sheriff's Office	1	4406220	2014	2500			0 Law Enforcement, Sheriff	Essential	2	1

Critical Facilities by Wind Hazard Score

Jurisdiction	Name	Hazard Score	Value	Replacement Value Year	Building size	Content value	Functional Use value	Facility type	Risk	Daytime Occupancy	Nighttime Occupancy
Hancock County	Hancock County Development Authority	1	1137489	2014	2500			0 Law Enforcement, State Patrol	Important	3	
Hancock County	Holiday Shores 5-1	1	35000	2013	1200	3000		0 Emergency Services, Fire Fighters	Essential		
Hancock County	Holiday Shores 5-2	1	108364	2013	3000	9050		0 Emergency Services, Fire Fighters	Essential		
Hancock County	John Hancock Academy	1	200000	2014	1200			0 Education, Private	Vulnerable Population	75	
Hancock County	M. e. Lewis Elementary School	1	450000	2014	30000			0 NGO, Water/Sewer	Essential, Vulnerable Population		
Hancock County	Sandersville Technical School	1	2500000	2014	15200			0 Education, VoTech	Important	60	60
Hancock County	Southwest Elementary School	1	450000	2014	30000			0 NGO, Water/Sewer	Essential, Vulnerable Population	642	
Hancock County	Tax Commissioner	1	500000	2014	10000	30000		0 Law Enforcement, State Patrol	Important	10	
Hancock County	Tri-County Health Systems	1	185000	2014	3100	80000		0 Education, VoTech	Essential	15	
Sparta city	Providence Nursing Home	1	656120	2014	12000			0 Government, Water/Sewer	Vulnerable Population	65	45
Sparta city	Robert L Morgan	1	450000	2008	2800			0 Education, VoTech	Essential, Lifeline	15	
Sparta city	Sparta City Hall	1	30000	2014	15000			0 Government, Private	Essential	2	
Sparta city	Sparta Fresh Water Treatment Plant	1	750000	2014	2000			0 Government, Water/Sewer	Essential	1	
Sparta city	Sparta Health Care	1	550000	2014	10000			0 Government, Water/Sewer	Essential, Lifeline	25	

Critical Facilities by Wind Hazard Score

Jurisdiction	Name	Hazard Score	Value	Replacement Value Year	Building size	Content value	Functional Use value	Facility type	Risk	Daytime Occupancy	Nighttime Occupancy
Sparta city	Sparta Lift Station 1	1	100000	2014	100		0	Government, Water/Sewer	Essential, Lifeline		
Sparta city	Sparta Lift Station 2	1	100000	2014	100		0	Government, Water/Sewer	Essential, Lifeline		
Sparta city	Sparta Lift Station 3	1	100000	2014	100		0	Government, Water/Sewer	Essential, Lifeline		
Sparta city	Sparta Lift Station 4	1	100000	2014	100		0	Government, Water/Sewer	Essential, Lifeline		
Sparta city	Sparta Pumping Station	1	250000	2014	1000		0	Government, Water/Sewer	Essential, Lifeline		
Sparta city	Sparta Waste Stabilization Pond	1	500000	2014	2000		0	Government, Water/Sewer	Essential		
Sparta city	Water Tower	1	250000	2014	100		0	Government, Water/Sewer	Essential, Lifeline	0	
Sparta city	Water Tower	1	250000	2014	100		0	Government, Water/Sewer	Essential, Lifeline	0	
Sparta city	Water Tower	1	250000	2014	100		0	Government, Water/Sewer	Essential, Lifeline		
			30420487		281535	11290635	1631			3172	1683

Winter Storm

Southeastern snow or ice storms often form when an area of low pressure moves eastward across the northern Gulf of Mexico. To produce a significant winter storm in the south, not only must temperatures be cold enough, but there must also be enough moisture in the atmosphere to produce adequate precipitation. A major winter storm can last for several days and be accompanied by high winds, ice and freezing rain, heavy snowfall, and cold temperatures. These conditions can make driving conditions very dangerous, as well as bring down trees and power lines.

There have been 31 recorded winter storms. There is a 75 percent chance of an annual winter storm event. Winter storms can be more accurately predicted than most other natural hazards, making it possible to give advance warning to communities. The National Weather Service issues winter storm warnings and advisories as these storms make their way south. Given the infrequency of these types of storms, southern communities are still not properly equipped to sustain the damage and destruction caused by severe winter storms. To summarize, there are approximately 28,230 structures/properties in the county totaling slightly more than \$1.1 billion with a population of 9,429.

Winter Event History Table

DATE	Event Type	NAME	INJURIES	FATALITIES	P-D	C/D	REMARKS
1/26/1961	Winter Weather	Hancock	0	0	314.46	0	GLAZE AND SLEET
3/3/1962	Winter Weather	Hancock	0	0	238.1	0	Glaze
12/13/1962	Winter Weather	Hancock	0	0	314.47	3.14	Cold wave
1/25/1963	Winter Weather	Hancock	0	0	31.45	31.45	Cold wave
12/31/1963	Winter Weather	Hancock	0	0	31446.54	0	SNOW AND ICE STORM
1/13/1964	Winter Weather	Hancock	0	0	3.14	0	Snow and sleet
3/31/1964	Winter Weather	Hancock	0	0	31.45	3144.65	Cold wave
2/25/1965	Wind - Winter Weather	Hancock	0	0	314.47	0	WIND AND COLD
1/31/1966	Winter Weather	Hancock	0	0	314.47	314.47	SNOW AND COLDWAVE
1/10/1970	Winter Weather	Hancock	0	0	314.46	0	COLD WAVE
2/10/1973	Winter Weather	Hancock	0	0	40000	0	SNOWSTORM
1/31/1977	Winter Weather	Hancock	0	0	31446.54	0	Extreme Cold
2/18/1979	Winter Weather	Hancock	0	0	5208.33	520.83	snow and sleet
2/6/1980	Winter Weather	Hancock	0	0	549.45	0	Snow
1/21/1983	Winter Weather	Hancock	0	0	5208.33	0	Winter Storm
1/15/1994	Winter Weather	Hancock	0	0	515.46	0	FREEZE
1/28/2000	Ice Storm	HANCOCK	0	0	32790	0	A series of short waves in the upper air pattern produced periods of mostly light to occasionally moderate precipitation over the north half of Georgia from Friday morning to Sunday afternoon. Patchy light snow began in west central and northwest Georgia around daybreak on the 28th. There was a light dusting on the ground by mid morning from Troup to Carroll county, east to Fayette county. Due to the dry layer of air aloft, much of the precipitation evaporated before reaching the ground, so eastward progression of the area of snow was slow. By evening, a mixture of light snow, sleet and freezing rain became more widespread over west central and northwest Georgia. Although the precipitation remained light and temperatures hovered in the low to mid 30s, ice began to accumulate on roads, bridges and overpasses. There was a 47 car pile-up on I-20 in downtown Atlanta late Friday night that backed up traffic into early Saturday morning. By Saturday morning, the 29th, temperatures had slowly fallen to near or just below the freezing mark over the north half of Georgia with a mix of light freezing drizzle, freezing rain, and sleet, with light snow in the mountains. The last batch of significant precipitation moved from Alabama into west central Georgia and on into the Atlanta metro area on Sunday morning. There were even one or two claps of thunder in Spalding county. Overall, the event generally produced 1/4 to 1/2 inch of ice accumulation, with isolated areas getting 1/2 to 1 inch of ice. The main problems seemed to be traffic accidents due to icy roads and bridges. There were scattered areas of trees and power lines down, but damage from this storm was nowhere as much as that from the storm the previous weekend.
1/30/2000	Winter Weather	Hancock	0	0	33333.33	0	ICE STORM

Winter Event History Table

DATE	Event Type	NAME	INJURIES	FATALITIES	P+D	C+D	REMARKS
1/2/2002	Heavy Snow	HANCOCK	0	0	0	0	One of the biggest snow storms to affect north and central Georgia since March 1993 began early on the 2nd and continued through mid-day on the 3rd. Over a half a foot of snow fell in some areas just south and southwest of Atlanta, with large areas of north and central Georgia receiving three to four inches of snow during the two-day event. Modified Arctic air invaded the southeast on December 30, 2001. Then, on Near Year's day a surface low quickly moved east toward Florida. Weak to moderate upper-level support and overrunning of the warm Gulf air over the colder surface air provided for an extended period of light to moderate frozen precipitation across all of central Georgia and the southern sections of north Georgia throughout the day on the 2nd. Most of the precipitation fell as snow, except for the far southeastern counties of central Georgia, where a mixture of sleet, snow, and freezing rain occurred. During the day on the 2nd, the heaviest snow, from one to three inches occurred within a narrow band that extended from La Grange, to Thomaston, to Jackson. Snowfall amounts in the Atlanta and Athens area were generally around one inch on the 2nd, with only trace amounts reported further north toward Tennessee. However, a strong upper-level system rotated through the southeastern United States early on the 3rd bringing a burst of heavy snow to north and central Georgia. Snowfall amounts of three to five inches occurred in a period of approximately six to eight hours. Total snowfall amounts for the two-day storm ranged from four to six inches in a large approximately 100 mile wide area centered along a line from La Grange, to Atlanta, to Athens, to Homer. Some areas between Carrollton and Newnan and between Luthersville and Thomaston received from six to eight inches of snow as well as did a few spots in the northeast between Gainesville and Homer. For the southern portions of central Georgia, snowfall amounts were generally two inches or less, while the northwest and far north central portions of the state received

Winter Event History Table

DATE	Event Type	NAME	INJURIES	FATALITIES	P+D	C+D	REMARKS
10/6/2002	Heavy Rain	HANCOCK	0	0	0	0	Above normal rainfall was observed at many locations across north and central Georgia during the month. Most of the rain fell during three events on the 7th, the 13th, and the 28th. The rainfall on the 7th and 13th was largely caused by the combination of residual tropical moisture and stationary frontal systems, while the event on the 28th resulted from the remnants of Pacific hurricane Kenna, which traveled across mainly the northern one-third of the state. While above normal rainfall was not observed uniformly, many stations, especially in north Georgia, recorded rainfall totals for the month of October which exceeded normal amounts by three inches or more. Atlanta, for example, recorded its 10th wettest October on record (since the late 1800s) , with 5.94 inches of rain falling during the month, which is 2.83 inches above the normal rainfall of 3.11 inches. Only a handful of stations reported below normal rainfall during the month, and even in these cases the rainfall amounts were still within one inch of normal. Athens was the only major reporting station with below normal rainfall during the month, and even here it was only 0.17 inch below normal.

Winter Event History Table

DATE	Event Type	NAME	INJURIES	FATALITIES	P-D	C/D	REMARKS
1/28/2005	Winter Storm	HANCOCK (Z)	0	0	150000	0	A significant and fairly prolonged winter storm/ice storm affected nearly all of North and Central Georgia from the evening of Friday January 28th to late morning on Sunday January 30th. The winter storm was a result of a very strong and very cold Arctic surface high pressure system located across the Mid-Atlantic states and an upper-level disturbance moving across the region from the west. North of a line from La Grange, to Thomaston, to Sandersville, the precipitation fell mostly as a mixture of sleet and freezing rain, with typical accumulations of one-half inch glaze ice and one to two inches of sleet. Some areas in North Central and Northeast Georgia experienced significant glaze ice accumulations of three-fourths to one inch. Further south, mainly south of a La Grange, to Thomaston, to Sandersville line, most of the frozen precipitation fell as freezing rain, with 1/4 to 1/2 inch accumulations of glaze ice common as far south as McRae, Abbeville, and Americus. In the southern areas, however, the ice accumulations were generally confined to trees, power lines, and other exposed objects with little or no accumulation of ice on the ground. Extensive damage to trees and power lines were reported throughout the area, especially in North Central, Northeast, and Central Georgia. Damage estimates were in the millions. Numerous vehicle accidents were also reported on the slick ice and sleet covered roads, especially in the Atlanta Metropolitan area. The summary below provides ice and sleet accumulations by county for this event as well as damage information received for that county. The ice and sleet accumulations were largely provided by the county 911 centers or respective Emergency Management Directors. The damage information was provided by the local county/city newspaper. Hancock: 1/2 inch of glaze ice, < 1.0 inch of sleet - A number of trees and power lines down throughout the county.
1/30/2005	Winter Weather	Hancock	0	0	97916.66	0	Winter Storm
3/1/2009	Heavy Snow	HANCOCK	0	0	3000	0.00K	The maximum snowfall reported was 2.0 inches. A few trees and power lines were down.
3/1/2009	Winter Weather	Hancock	0	0	26200	0	Heavy Snow
2/12/2010	Heavy Snow	HANCOCK	0	0	0	0	The Hancock County 911 Center reported 3.0 inches of snow.
12/25/2010	Winter Weather	HANCOCK	0	0	0	0	The Hancock County 911 Center reported average snowfall across the county of 1.5 inches, with a range of 0.5 to 1.75 inches.
1/10/2011	Winter Storm	HANCOCK	0	0	0	0	The Hancock County 911 Center reported less than 2.0 inches of snow and sleet accumulation across the north part of the county, with ice accumulations from freezing rain/freezing drizzle of less than 0.10 inch.
2/10/2011	Winter Weather	HANCOCK	0	0	0	0	The Hancock County 911 Center reported only a trace of snowfall across most of the county.

Winter Event History Table

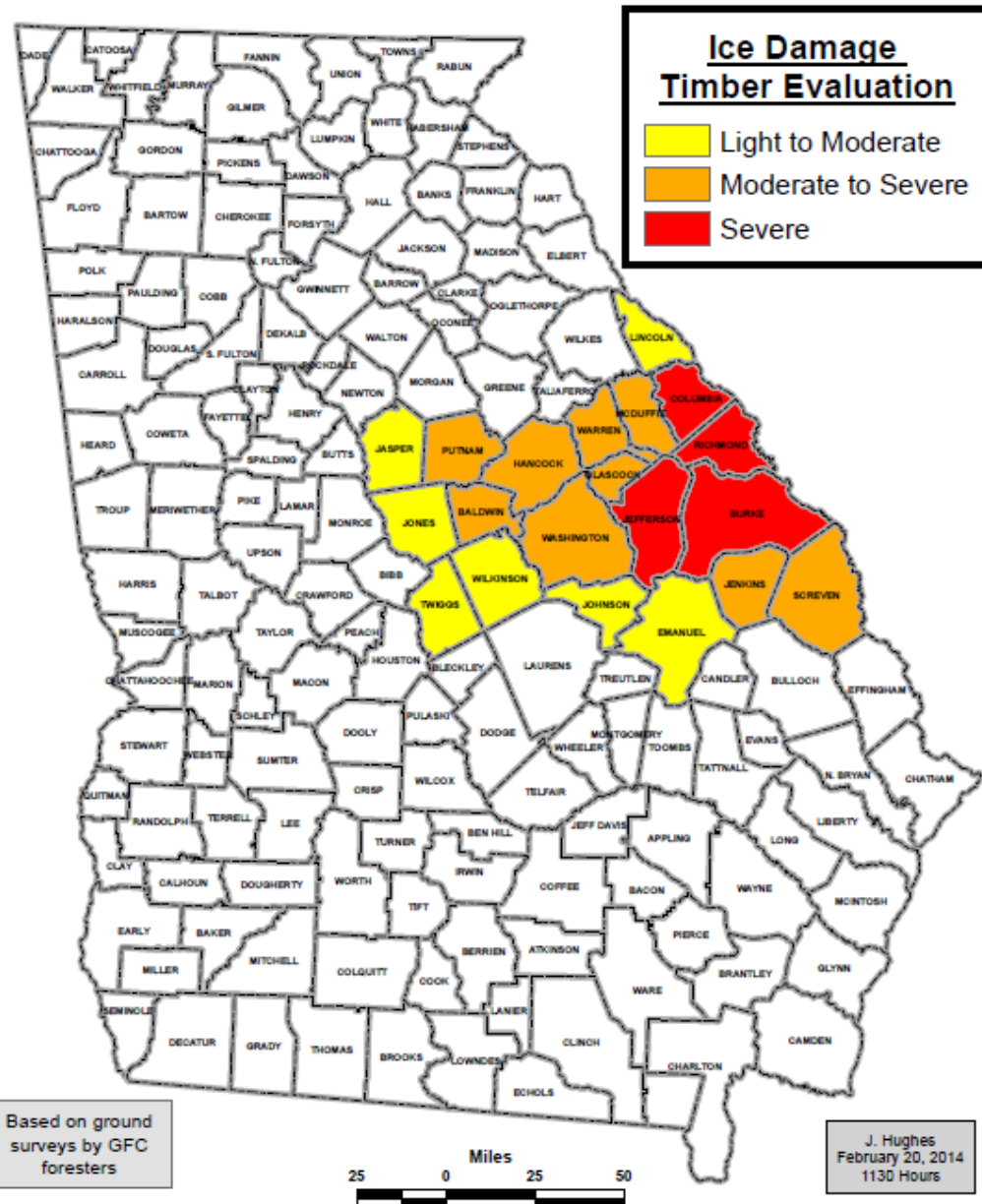
DATE	Event Type	NAME	INJURIES	FATALITIES	P-D	C/D	REMARKS
1/28/2014	Winter Storm	HANCOCK	0	0	0	0	A significant winter storm impacted north and central Georgia on the 28th. Snow and sleet began Tuesday evening, accumulating to widespread amounts of 1 to 3 inches of snow.
2/12/2014	Ice Storm	HANCOCK	0	0	0	0	A significant winter storm impacted north and portions of central Georgia on Tuesday the 11th and Wednesday the 12th. For areas south of the Atlanta Metropolitan area and into central Georgia, the event began Wednesday morning the 12th. Rain mixed with and changed over to freezing rain through the morning hours, resulting in catastrophic ice accretions of a half to one inch of ice, with localized higher amounts, especially along the Interstate 20 corridor. Thousands of trees were downed and widespread power outages were reported, with some customers without power for days. The event ended as a round of light snow Wednesday evening.
1/17/2018	Winter Weather	HANCOCK	0	0	0	0	The Hancock County Emergency reported a half of an inch of snow accumulation in Sparta.

459491.1 4014.54 463505.65

Name	Jurisdiction	Address	Facility/Types	Risk	Occupancy	Area	Building Value	Valuation Year	Content value	Contents Value/Year	Functional Value	Daytime Occupancy	Nighttime Occupancy
Betty Hill Senior Citizen Center	Hancock County	330 Water Works Road	Government, Water/Sewer	Vulnerable Population	Government - General Services	2500	582923	2014			0	25	
Hancock Central High	Hancock County	Hwy. 15	Education, K - 12 Law Enforcement, Law Enforcement, Court House, Court House	Vulnerable Population Essential, High Potential Loss, Historic Consideration	Grade Schools and Admin. Offices	25000	800000	2014			0	455	
Hancock County Courthouse	Hancock County	Courthouse Square, Broad St			Government - General Services	40000	8096000	2018	1000000		0	18	
Hancock County EMS	Hancock County	656 Linton Road	Government, Water/Sewer	Essential, Lifeline	Government - Emergency Response	3000	50000	2014			0	4	2
Hancock County Fire Station #2	Hancock County	4029 Lake Sinclair Drive	Emergency Services, Fire Fighters	Essential	Government - Emergency Response	2000	966215	2014	9000000	2008	0	1	
Hancock County Fire Station	Hancock County	52 Spring Street	Emergency Services, Fire Fighters	Essential	Government - Emergency Response	2400	75000	2014	250000		0	0	
Hancock County Health	Hancock County	516 Boland Street	Government, Water/Sewer	Essential, Lifeline	Medical Office and Clinic	6360	818284	2014	10977	2008	0	60	
Hancock County Library	Hancock County	8984 E. Broad Street	Education, Library	Important	Government - General Services	7575	1478909	2014	907608	2008	0	65	
Hancock County Magistrate	Hancock County	Courthouse Square	Law Enforcement, Court House	Important	Government - General Services	8000	800000	2014			0	9	
Hancock County Service Center	Hancock County	75 Boland Circle	Education, VoTech	Important, Vulnerable Population	Medical Office and Clinic	2500	394963	2014			0	25	
Hancock County Sheriff's Office	Hancock County	820 Spring St	Law Enforcement, Sheriff	Essential	Government - Emergency Response	2500	4406220	2014			0	2	1
Hancock State Prison	Hancock County	701 Prison Blvd	Law Enforcement, State Patrol	Vulnerable Population	Government - General Services	35000	1500000	2014			0	1595	1575
Hancock County Development Authority	Hancock County	Court House Square	Law Enforcement, State Patrol	Important	Government - General Services	2500	1137489	2014			0	3	
Holiday Shores 5-1	Hancock County	3388 Lake Crest Drive	Emergency Services, Fire Fighters	Essential	Government - Emergency Response	1200	35000	2013	3000	2013	0		
Holiday Shores 5-2	Hancock County	3388 Lake Crest Drive	Emergency Services, Fire Fighters	Essential	Government - Emergency Response	3000	108364	2013	9050	2013	0		
John Hancock Academy	Hancock County	1100 Linton Road	Education, Private	Vulnerable Population	Grade Schools and Admin. Offices	1200	200000	2014			0	75	
M.e. Lewis Elementary	Hancock County	Hwy 15 RR2 Box 456	NGO, Water/Sewer	Essential, Vulnerable Population	Grade Schools and Admin. Offices	30000	450000	2014			0		

Winter Ice Storm

Feb 11-13, 2014

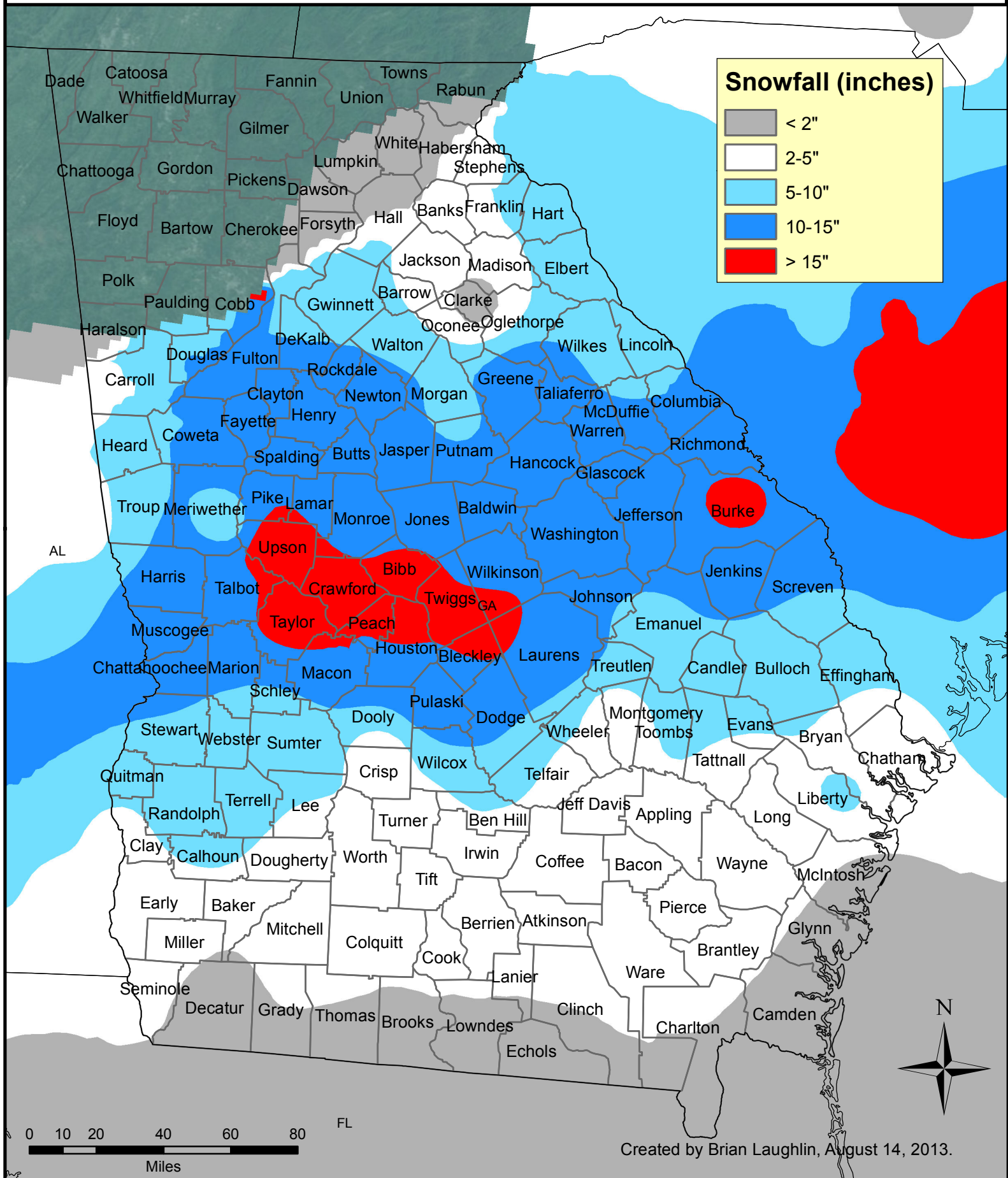




February 9-11, 1973 Winter Storm

RSI = 12.52, Category 4

NOAA

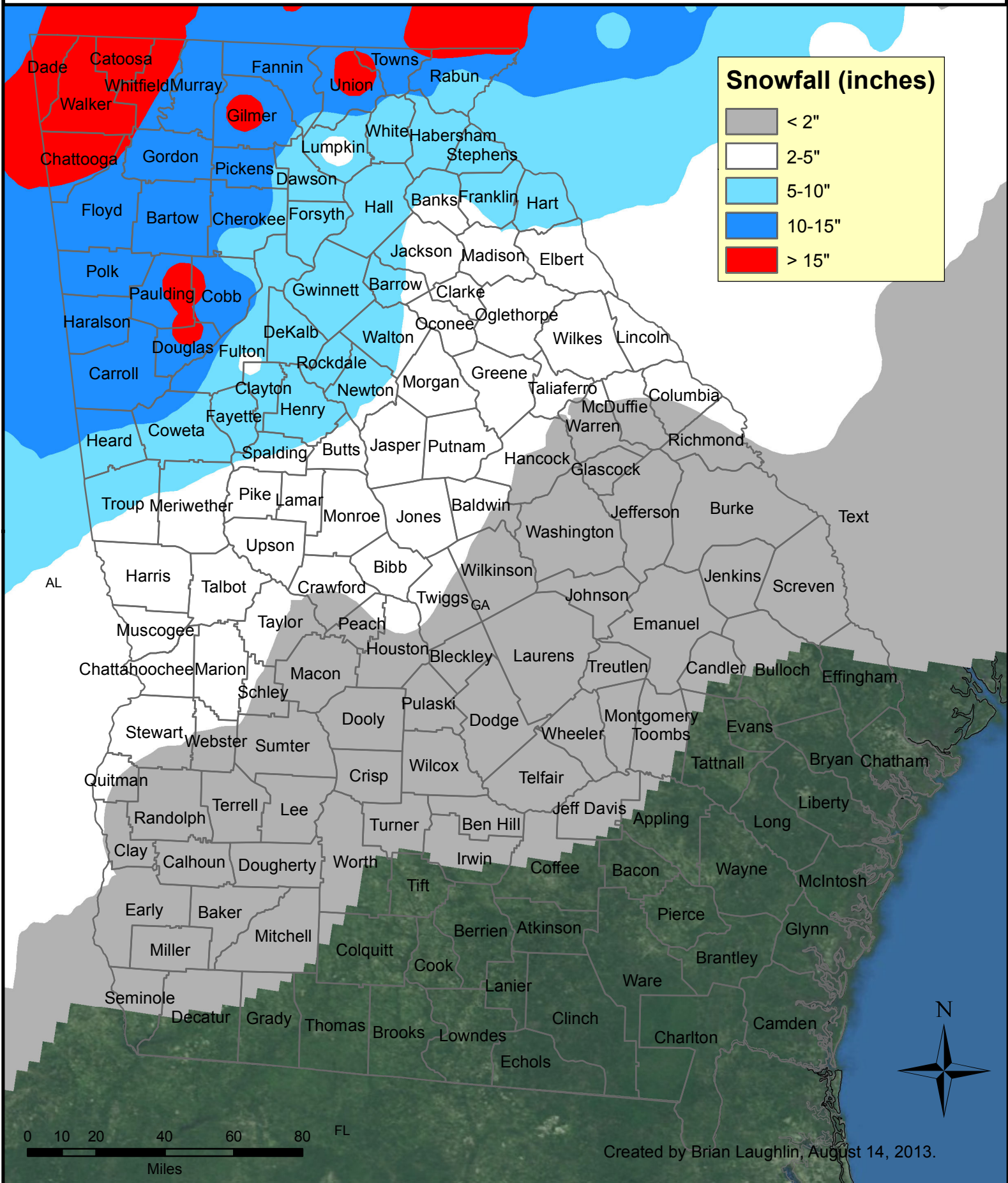




March 12-15, 1993 Winter Storm

RSI = 20.572, Category 5

NOAA





January 9-11, 2011 Winter Storm

RSI = 4.158, Category 2

NOAA

