

Beaufort County

Weekly Operations Briefing

May 17, 2019 thru May 23, 2019



Beaufort County Weekly Operations Briefing Disclaimer

This weekly briefing is provided by the Beaufort County Sheriff's Office Emergency Management Division every Friday. This information is gathered from Open Sources and can be disseminated freely.

News Release

State, Counties Update Operational Conditions

<https://www.scemd.org/news/state-counties-update-operational-condition-levels/>

May 9, 2019

Columbia, S.C. (Thursday, March 9, 2019) – Prior to the start of the 2019 Hurricane Season, the South Carolina Emergency Management Division, in coordination with county emergency management officials, is updating the state’s emergency operational condition levels, or OPCONs. Now, agencies will coordinate, prepare and respond to major emergencies based on three levels of readiness instead of five.

The new levels are designed to simplify the steps agencies take in order to fully activate emergency resources. The three OPCONs and their definitions are more compatible with the majority of state and federal emergency management organizations nationwide, making the state’s processes and procedures easier to understand for teams deploying into South Carolina during a disaster.

South Carolina’s OPCONs and their definitions are now as follows:

OPCON THREE - Normal Daily Operations

Agencies coordinate, plan, train and exercise as warranted. Incidents are monitored by the State Warning Point and local emergency managers.

OPCON TWO - Enhanced Awareness

A disaster or emergency is likely to affect the state. Emergency Operations Plans are implemented. The State Emergency Operations Center is partially activated if necessary.

OPCON ONE - Full Alert

A disaster or emergency is imminent or occurring. The State Emergency Operations Center is fully activated. All agency personnel are activated or available for activation.

“We are streamlining the way we activate state and local resources, particularly the state and local emergency operations centers,” says SCEMD Director Kim Stenson. “The new system brings us more in line with how other states operate and simplifies the steps we take before a major emergency is in full effect.”

All State Emergency Response Team agencies and county emergency managers in all 46 counties have instituted the new OPCON levels.

News Release

DHEC Identifies Spread of Hepatitis A as Statewide Outbreak

<https://www.scdhec.gov/news-releases/dhec-identifies-spread-hepatitis-statewide-outbreak>

COLUMBIA, S.C. — An increasing number of hepatitis A cases in Aiken County and other parts of South Carolina has led the S.C. Department of Health and Environmental Control (DHEC) to define the spread of the disease as a statewide outbreak.

Hepatitis A is a contagious liver infection caused by a virus that is typically transmitted through person-to-person contact with someone who has the infection or through eating or drinking food or water contaminated by an infected person. Most people who contract hepatitis A feel sick for several weeks, but they usually recover completely and do not have lasting liver damage. People usually become sick within two to six weeks after being exposed, and symptoms include nausea, vomiting, diarrhea, stomach pain or yellowing of the eyes and skin.

“Given the steady increase in cases, we determined that South Carolina is experiencing an outbreak,” said Dr. Linda Bell, state epidemiologist and director of the Bureau of Communicable Disease Prevention and Control. “As a result, DHEC is intensifying efforts to control the spread of hepatitis A to avoid a severe outbreak that could threaten the general population.”

This statewide outbreak coincides with the national hepatitis A outbreak that began in 2016. An outbreak is defined when a disease occurs in greater numbers than expected within a defined area and time period. DHEC previously declared a localized hepatitis A outbreak in Aiken County in February 2019.

During the past 10 years, South Carolina averaged 19 reported cases of hepatitis A annually. More than four times that amount has been reported in the past seven months. Between Nov. 1, 2018, and May 10, 2019, there have been 86 reported cases of hepatitis A in South Carolina, leading to 59 hospitalizations and one death.

News Release Continued

DHEC Identifies Spread of Hepatitis A as Statewide Outbreak

<https://www.scdhec.gov/news-releases/dhec-identifies-spread-hepatitis-statewide-outbreak>

So far, most cases have occurred in Aiken County, and almost half of all cases involve individuals who report drug use. Certain adults who may be at higher risk for hepatitis A include:

- People who use injection or non-injection drugs
- People who are homeless
- People who are or recently were incarcerated
- Men who have sex with men
- People with chronic liver disease like cirrhosis, hepatitis B or C
- People who are traveling to countries where hepatitis A is common
- People with chronic liver disease like cirrhosis, hepatitis B or C as they have an increased risk of complications if infected with hepatitis A

“We have established a hepatitis A task force that is coordinating efforts to control the spread of the virus by increasing vaccination rates among high-risk groups, establishing partnerships critical to reaching those groups, and conducting outreach and education efforts,” Bell said.

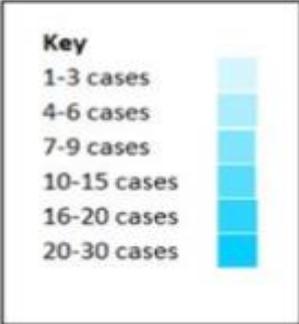
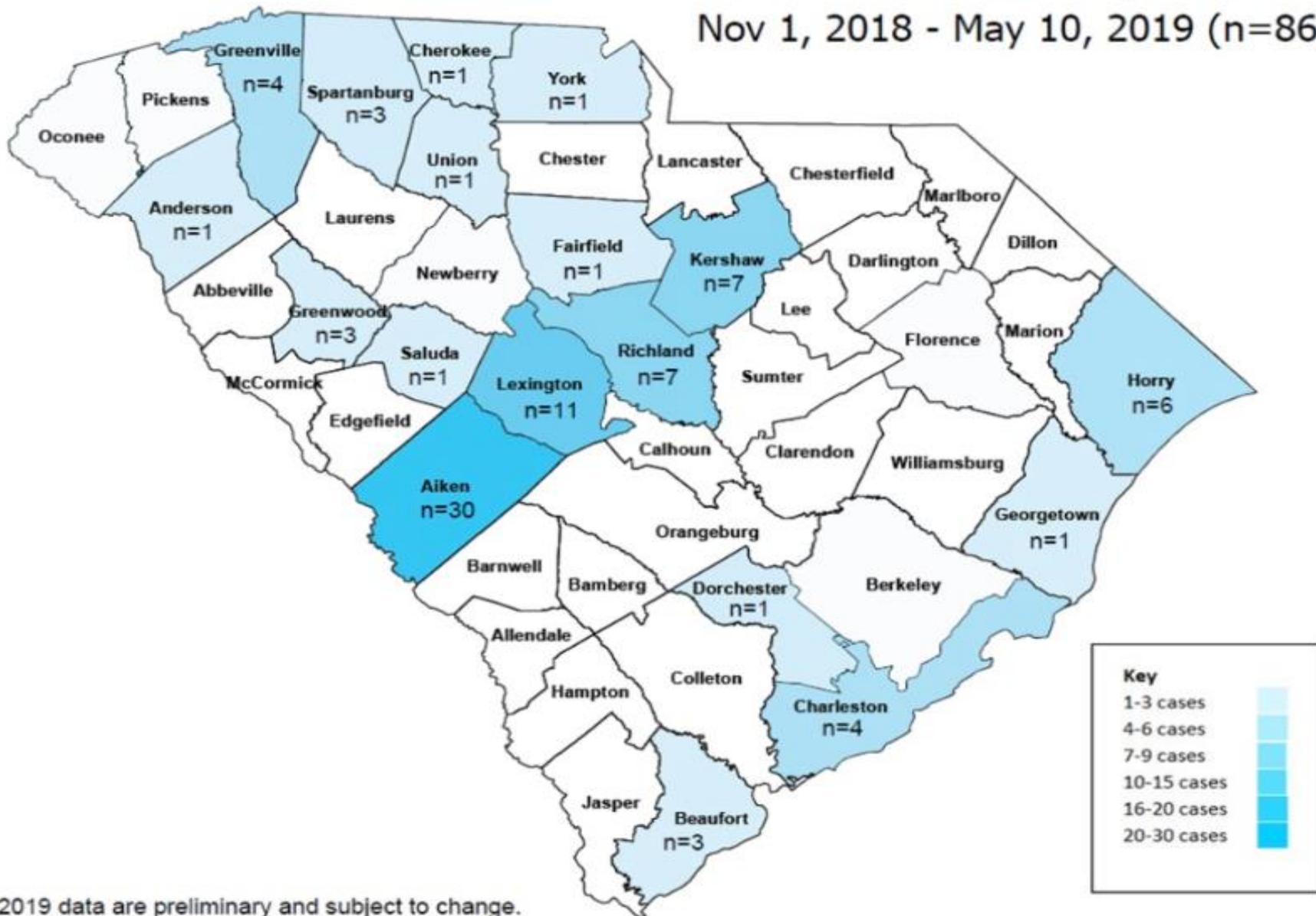
Additionally, DHEC is currently offering no-cost hepatitis A vaccines to individuals who are drug users, homeless, men who have sex with men or those who have a history of incarceration. Residents can schedule an appointment for a vaccination at their local health department by calling **855-472-3432** or visiting www.scdhec.gov/health/health-public-health-clinics.

Residents can take several steps to protect themselves and their communities, including:

- Getting vaccinated against hepatitis A
- Washing their hands after using the restroom and before eating or preparing meals
- Refraining from sex with someone who has a hepatitis A infection
- Immediately seeking medical care if a hepatitis A infection is suspected

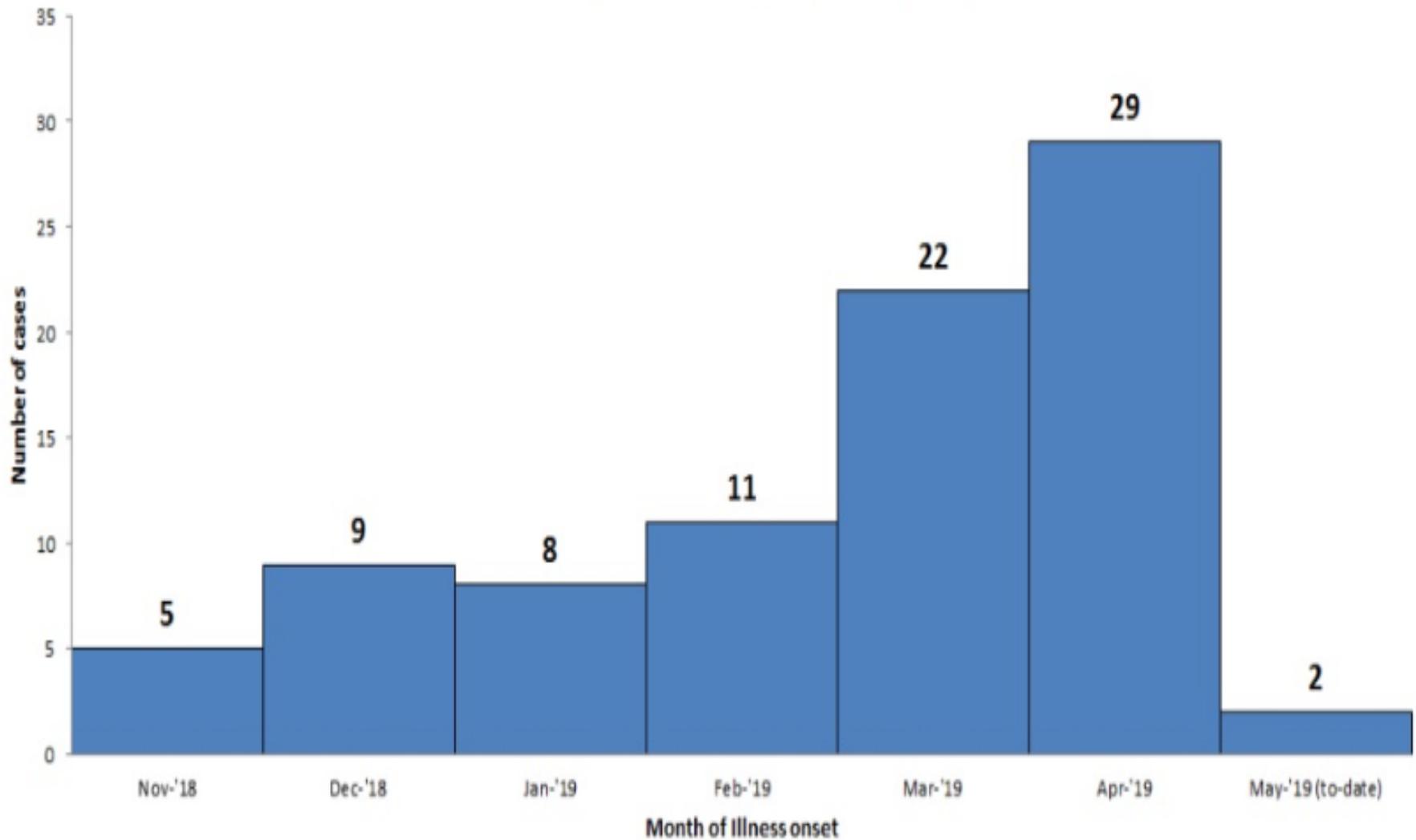
For more information on hepatitis A, visit the [DHEC website](#) or the [Centers for Disease Control and Prevention website](#).

Confirmed cases* of Hepatitis A Nov 1, 2018 - May 10, 2019 (n=86)



* 2019 data are preliminary and subject to change.

**Confirmed cases* of Hepatitis A,
November 1, 2018 - May 10, 2019 (n=86)**



This Day in History

www.history.com

Fire Engulfs Honduras Prison

- A fire in an overcrowded Honduras prison kills 103 people on this day in 1994. An overheated refrigerator motor sparked the horrible blaze that raced through the outdated jail. Only a year earlier, a gang fight at the same prison had left nearly 70 people dead.
- The prison, in San Pedro Sula, 100 miles north of the Honduran capital of Tegucigalpa, was largely devoted to housing gang members arrested in a recent crackdown. This new emphasis on jailing gang members resulted in a prison population of nearly 2,000, although the structure was built to accommodate only 800. The fire and explosion took place in a cell block that housed 186 prisoners belonging to the Mara Salvatrucha gang, also known as MS-13. The fire started in one of two small refrigerators located in the cell block at about 1:30 a.m. Prisoner Jose Lopez reported, "Everything happened fast. We woke up with our clothes and our beds in flames." Guards reported that they had to fire their guns in the air in order to keep the prisoners from attacking the firefighters and escaping. Inmates claimed that the guards were preventing the prisoners from fleeing the fire.
- As news of the fire became public, relatives of the prisoners began gathering outside the prison. Officials then placed the bodies of the dead in rows on the ground for identification, which was often made through their elaborate gang-related tattoos, before refrigerated trucks transported them to a morgue.
- The Honduran government continued its anti-gang activity in the wake of the tragedy, but also took steps to prevent prison overcrowding.

Upcoming Events

- 05/17/19 Sunset Palooza Bluffton
- 05/18/19 Beaufort River Swim Beaufort
- 05/18/19 Walkfordom Beach Walk Hilton Head
- 05/19/19 2019 Fiesta De Mayo Hilton Head
- 05/21/19 Farmers Market Hilton Head
- 05/23/19 Farmers Market Bluffton
- 05/25/19 thru 05/26/19 Art Festival Hilton Head
- 05/27/19 Memorial Day Ceremony Bluffton
- 05/27/19 Memorial Day Service Hilton Head
- 05/27/19 Freedom 5K Hilton Head
- 05/29/19 Turtle Trot 5K Hilton Head
- 06/01/19 2019 Hurricane Expo Bluffton
- 06/07/19 First Friday After Five Beaufort
- 06/14/19 Blues & Brews on the Bluff Bluffton
- 06/22/19 Dragonboat Race Day Beaufort
- 07/05/19 First Friday After Five Beaufort
- 07/11/19 May River Shrimp Festival Bluffton
- 07/12/19 thru 07/21/19 Water Festival Beaufort

Emergency Management Readiness Status

- EOC Green
- ICV Green
- COMSAT Trailer Green
- Charging Trailer Green
- Logistics Truck Green
- Roadside Assistance Truck Green
- HAR Beacons Green
- HAR System Green
- Traffic Cameras Green
- Mobile Cameras Green
- DMS Boards (x6) Green
- AVL Green
- 150K Generators (x2) Green
- Portable Light Towers (x2) Green
- Portable HAR (x2) Green
- BROC Green
- Air- 1 Green
- Air -2 Green

Beaufort County Road Conditions



Emergency conditions are marked with this icon

See Results Below

County
Interstate

Beaufort
▼

go!

Sort By Road Name
▼

County	Route	From	To	Route Direction	Road Name	Start Date/End Date	Description
BEAUFORT	S-29	Bluffton Parkway MP 1.9	US 278 MP 2.98	BOTH	BUCK ISLAND ROAD	05/19/19 - 05/22/19	Temporary Lane Closures LANE CLOSURES DUE TO RESURFACING OF ROADWAY. (NIGHT WORK) THE WORK WILL TAKE PLACE BETWEEN 7:00 PM AND 6:00 AM
BEAUFORT	US278	Blue Heron Point Rd MP 0	Pinckney Wildlife Refuge MP 20.74	BOTH	WILLIAM HILTON PARKWAY	05/05/19 - 05/26/19	Temporary Lane Closures ONE LANE WILL BE CLOSED FROM MAY 5, 2019 TO MAY 26, 2019 BETWEEN THE HOURS OF 9:00PM AND 6:00AM TO PERFORM JOINT REPAIRS.

US 21 Harbor Island Bridge Construction

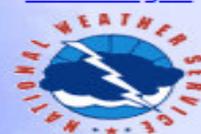
<https://www.scdot.org/business/us-21-bridge-replacement.aspx>





National Weather Service

weather.gov



Watches, Warnings & Advisories

Local weather forecast by "City, St" or zip code

One product issued by NWS for: Beaufort SC



Hazardous Weather Outlook

Hazardous Weather Outlook
National Weather Service Charleston SC
426 AM EDT Fri May 17 2019

GAZ117-119-139-141-SCZ048>051-180830-
Coastal Bryan-Coastal Chatham-Coastal Liberty-Coastal McIntosh-
Beaufort-Coastal Colleton-Charleston-Coastal Jasper-
426 AM EDT Fri May 17 2019

This Hazardous Weather Outlook is for southeast Georgia and
southeast South Carolina.

.DAY ONE...Today and tonight.

Coastal Flooding: Minor salt water inundation is possible around
the evening high tide, mainly in South Carolina. A Coastal Flood
Advisory could be needed.

.DAYS TWO THROUGH SEVEN...Saturday through Thursday.

Coastal Flooding: Minor salt water inundation is possible around
the times of the evening high tides through this weekend, mainly in
South Carolina. Coastal Flood Advisories could be needed.

.SPOTTER INFORMATION STATEMENT...

Spotter assistance is not anticipated at this time.

\$\$

Extended Weather Forecast

Extended Forecast for
Beaufort SC

Today



Sunny

High: 87 °F

Tonight



Mostly Clear

Low: 71 °F

Saturday



Sunny

High: 89 °F

Saturday
Night



Mostly Clear

Low: 69 °F

Sunday



Sunny

High: 85 °F

Sunday
Night



Mostly Clear

Low: 71 °F

Monday



Mostly Sunny

High: 86 °F

Monday
Night



Partly Cloudy

Low: 70 °F

Tuesday



Sunny

High: 88 °F

Detailed Weather Briefing

Detailed Forecast

Today	Sunny, with a high near 87. Southwest wind around 9 mph.
Tonight	Mostly clear, with a low around 71. South wind 6 to 9 mph.
Saturday	Sunny, with a high near 89. Southwest wind 6 to 9 mph.
Saturday Night	Mostly clear, with a low around 69. South wind 5 to 9 mph.
Sunday	Sunny, with a high near 85. South wind 5 to 14 mph.
Sunday Night	Mostly clear, with a low around 71.
Monday	Mostly sunny, with a high near 86.
Monday Night	Partly cloudy, with a low around 70.
Tuesday	Sunny, with a high near 88.
Tuesday Night	Mostly clear, with a low around 72.
Wednesday	Sunny, with a high near 90.
Wednesday Night	Mostly clear, with a low around 72.
Thursday	Sunny, with a high near 90.

Weather Briefing



NATIONAL WEATHER SERVICE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION



Weather Briefing for Southeast SC/GA



10:30 AM

Friday, May 17, 2019

Disclaimer: The information contained within this briefing is time-sensitive and could affect its validity as the date/time moves away from when the briefing was created.



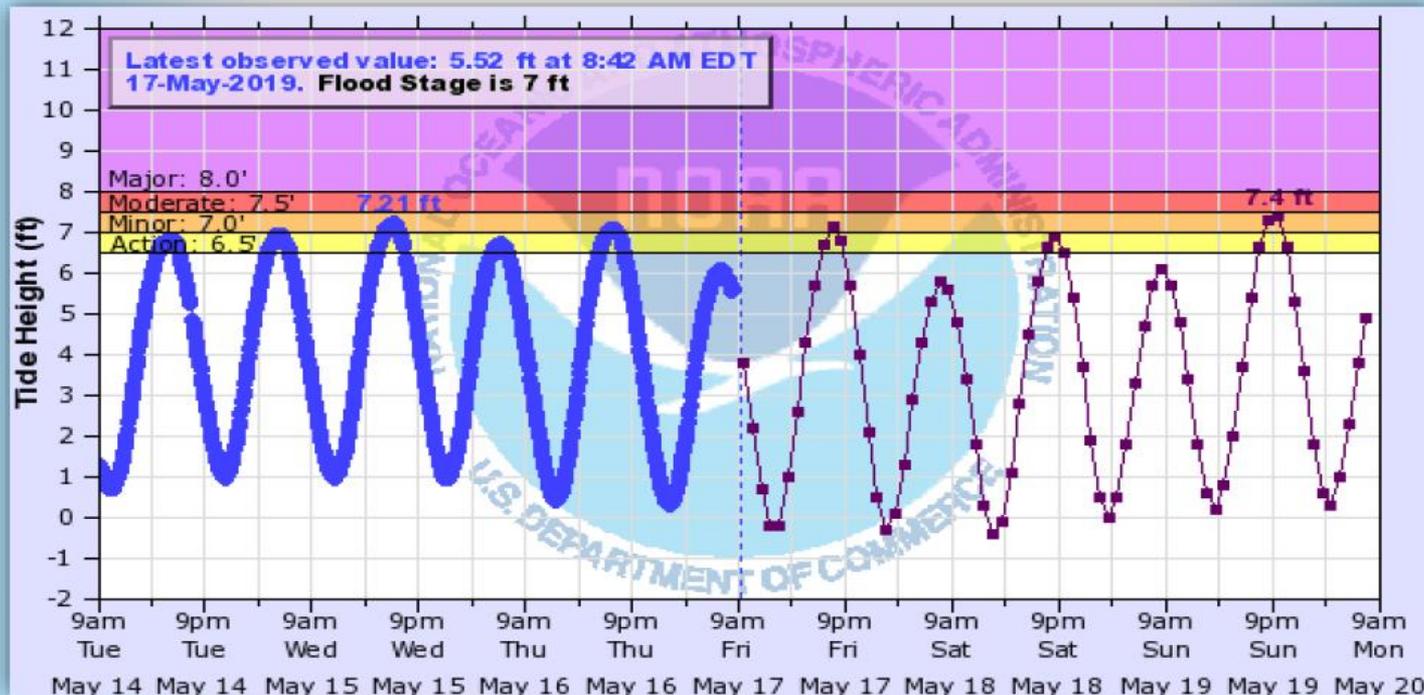
Weather Briefing Continued



NATIONAL WEATHER SERVICE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION



Charleston, SC Tide Forecast



- ✓ Minor coastal flooding expected with the evening high tides through Sun or Mon.

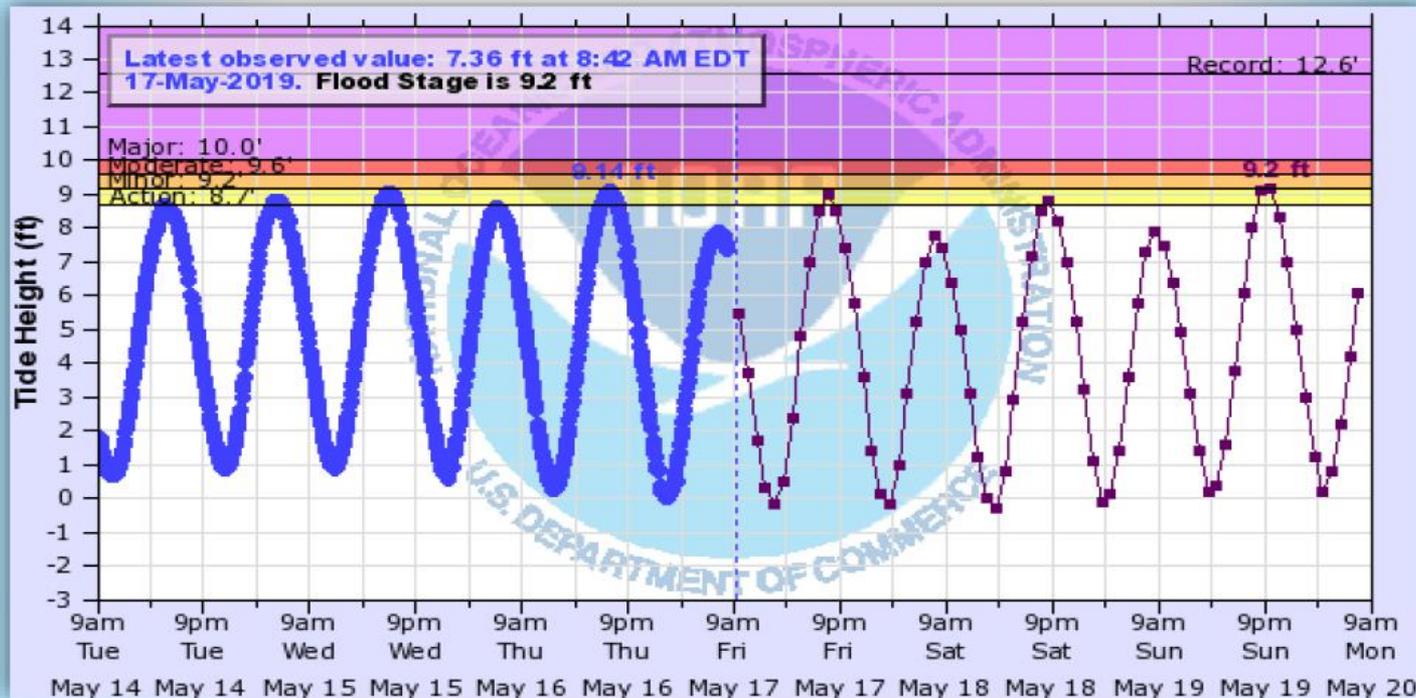
Weather Briefing Continued



NATIONAL WEATHER SERVICE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION



Fort Pulaski, GA Tide Forecast



✓ Very minor coastal flooding possible with evening high tides through Sun.

Weather Briefing Continued



NATIONAL WEATHER SERVICE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION



Summary / Expected Impacts

- Minor coastal flooding possible with evening high tides, especially coastal SC, through Sunday or Monday.
- Above normal temperatures and below normal rainfall chances through next week.

Today's Forecast
Friday May 17, 2019

Tomorrow's Forecast
Saturday May 18, 2019

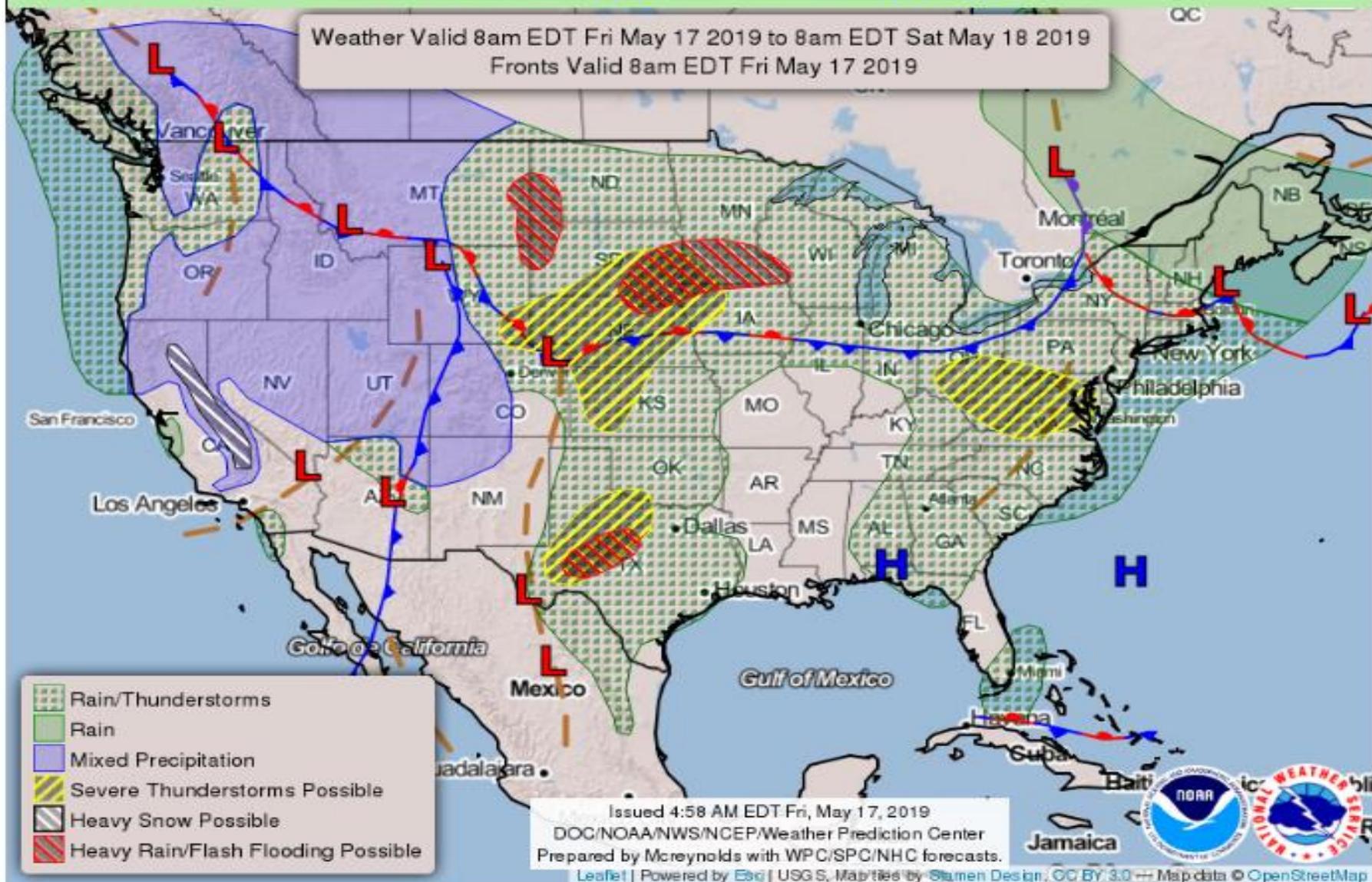
Day 3 Forecast
Sunday May 19, 2019

Available Image Formats

English: [GIF](#) [PDF*](#)

Español: [GIF](#) [PDF*](#)

Weather Valid 8am EDT Fri May 17 2019 to 8am EDT Sat May 18 2019
Fronts Valid 8am EDT Fri May 17 2019



- Rain/Thunderstorms
- Rain
- Mixed Precipitation
- Severe Thunderstorms Possible
- Heavy Snow Possible
- Heavy Rain/Flash Flooding Possible

Issued 4:58 AM EDT Fri, May 17, 2019
DOC/NOAA/NWS/NCEP/Weather Prediction Center
Prepared by McCreynolds with WPC/SPC/NHC forecasts.



Today's Forecast
Friday May 17, 2019

Tomorrow's Forecast
Saturday May 18, 2019

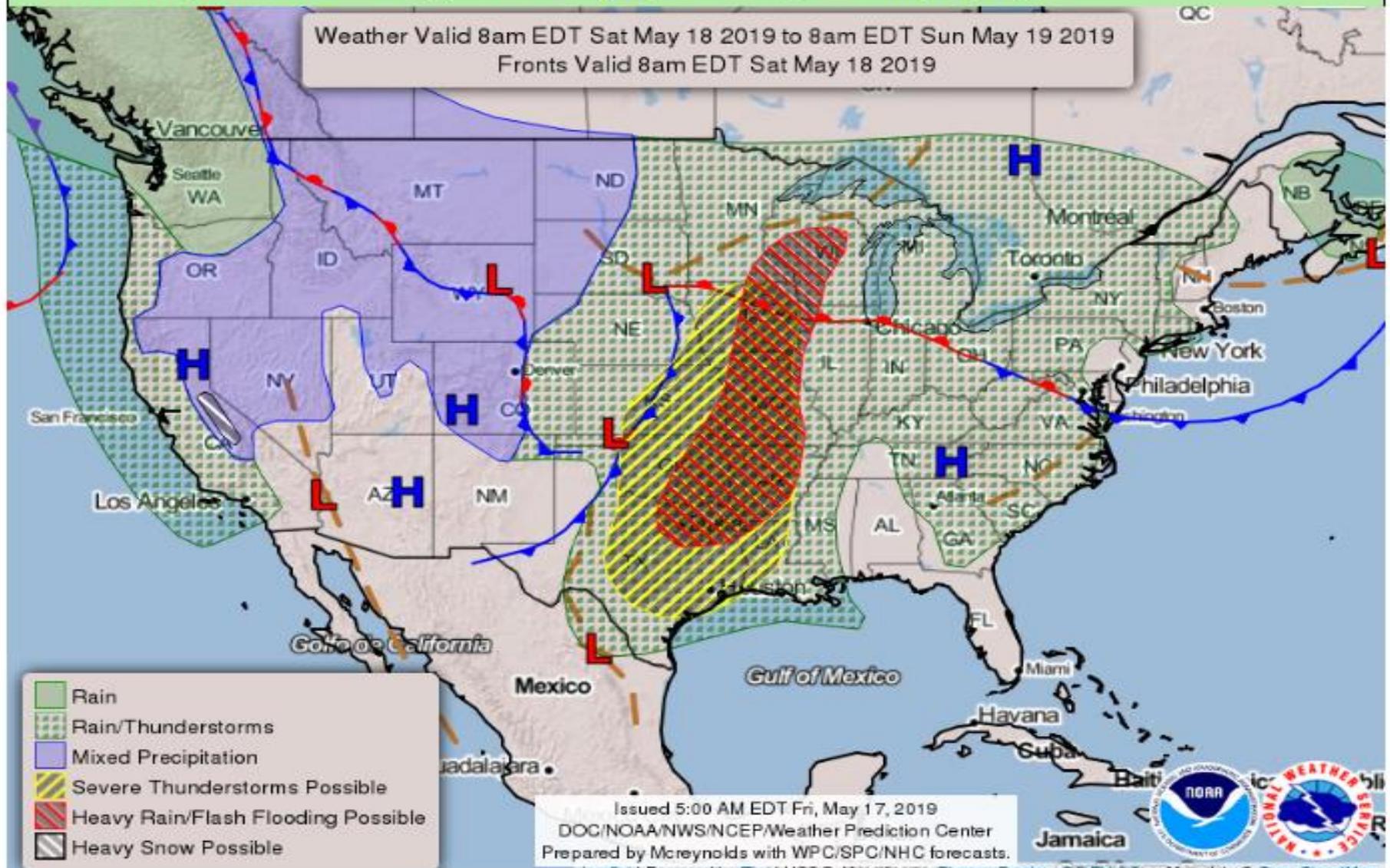
Day 3 Forecast
Sunday May 19, 2019

Available Image Formats

English: [GIF](#) [PDF*](#)

Español: [GIF](#) [PDF*](#)

Weather Valid 8am EDT Sat May 18 2019 to 8am EDT Sun May 19 2019
Fronts Valid 8am EDT Sat May 18 2019



Issued 5:00 AM EDT Fri, May 17, 2019

DOC/NOAA/NWS/NCEP/Weather Prediction Center
Prepared by McCreynolds with WPC/SPC/NHC forecasts.

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Today's Forecast
Friday May 17, 2019

Tomorrow's Forecast
Saturday May 18, 2019

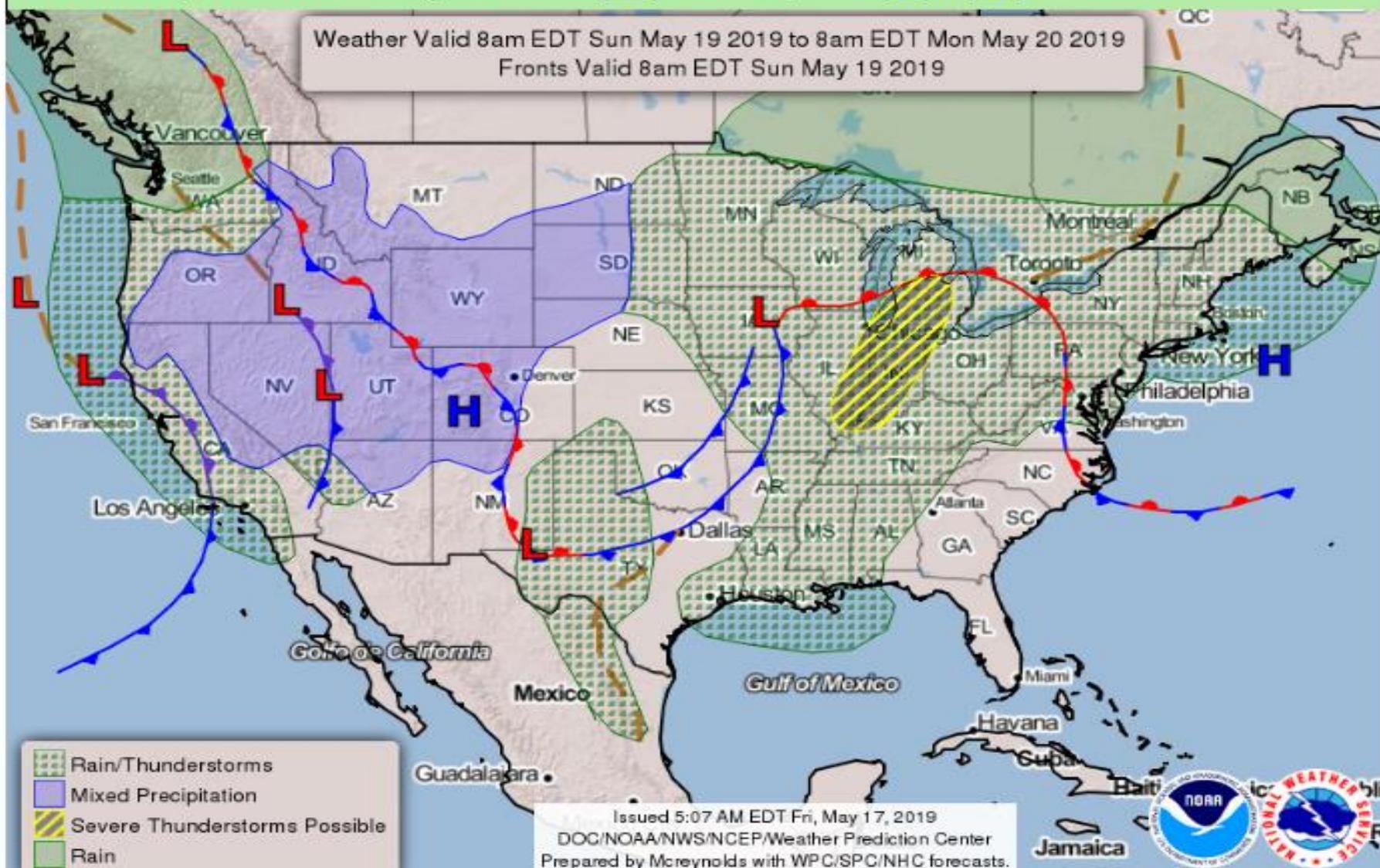
Day 3 Forecast
Sunday May 19, 2019

Available Image Formats

English: [GIF](#) [PDF*](#)

Español: [GIF](#) [PDF*](#)

Weather Valid 8am EDT Sun May 19 2019 to 8am EDT Mon May 20 2019
Fronts Valid 8am EDT Sun May 19 2019



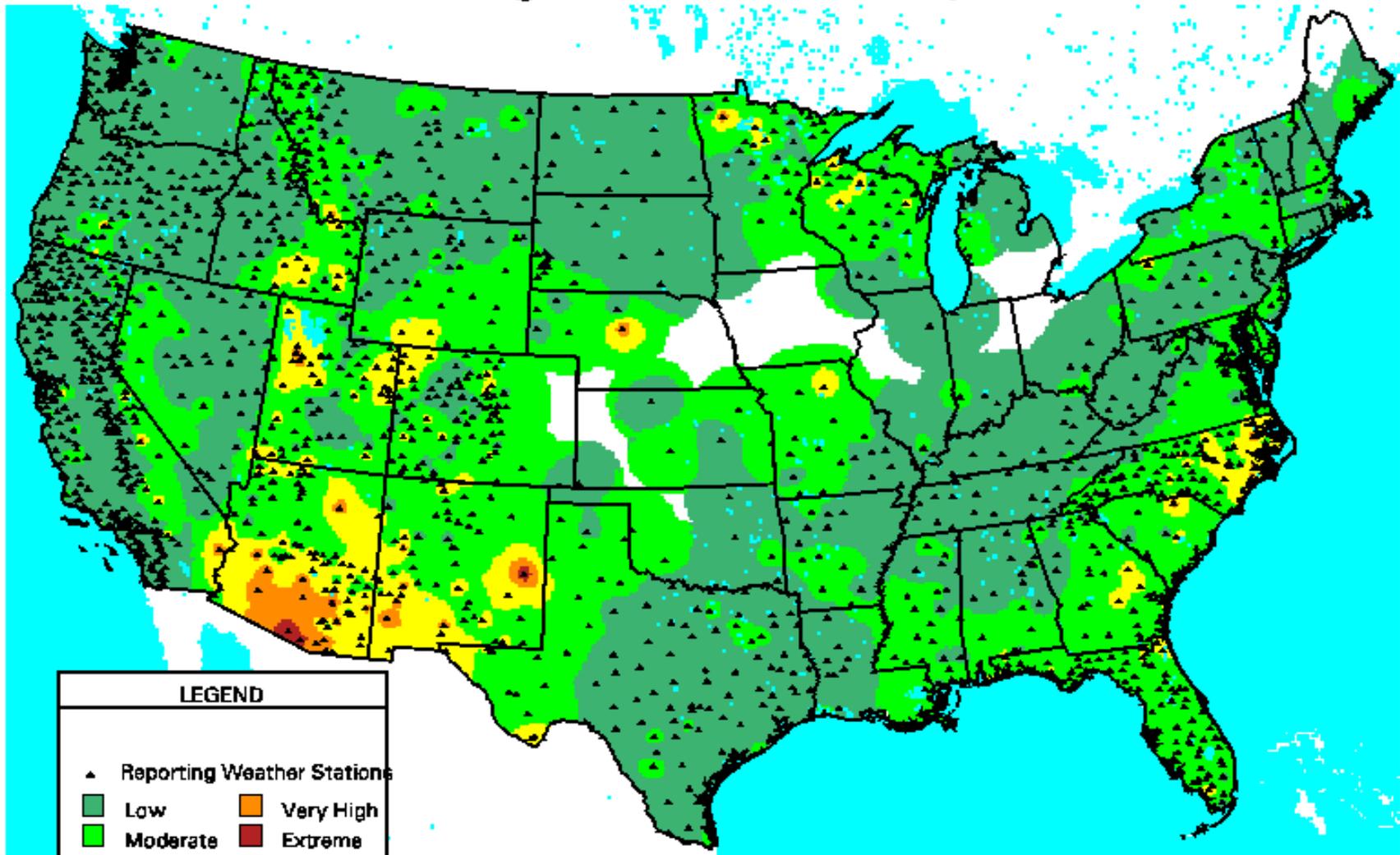
- Rain/Thunderstorms
- Mixed Precipitation
- Severe Thunderstorms Possible
- Rain

Issued 5:07 AM EDT Fri, May 17, 2019
DOC/NOAA/NWS/NCEP/Weather Prediction Center
Prepared by McReynolds with WPC/SPC/NHC forecasts.

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Observed Fire Danger Class: 16-May-19



LEGEND

- ▲ Reporting Weather Stations
- Low
- Moderate
- High
- Very High
- Extreme
- Water

(Inv. Dist.² Interp.)

WFAS-MAPS Graphics FIRE BEHAVIOR RESEARCH MISSOULA, MT



National Weather Service Charleston, SC

Last update on 17 May 09:15 am EDT

Beach forecast for Hunting Island

Today	Tonight	Saturday	Saturday Night	Sunday	Sunday Night	Monday
						
Sunny	Mostly Clear	Sunny	Mostly Clear	Sunny	Mostly Clear	Sunny
Hi 83 °F	Lo 73 °F	Hi 84 °F	Lo 71 °F	Hi 81 °F	Lo 72 °F	Hi 82 °F

Today: Sunny, with a high near 83. South wind 10 to 14 mph.

Tonight: Mostly clear, with a low around 73. South wind 10 to 13 mph.

Saturday: Sunny, with a high near 84. South wind 9 to 13 mph.

Saturday Night: Mostly clear, with a low around 71. South wind 8 to 11 mph.

Sunday: Sunny, with a high near 81. South wind 8 to 15 mph.

Sunday Night: Mostly clear, with a low around 72.

Monday: Sunny, with a high near 82.

Point Forecast: 8 Miles E Saint Helena Island SC
32.38 -80.44 (Elev. 10 ft)

Visit your local NWS office at <https://www.weather.gov/chs>

Rip Risk / Low

Life threatening rip currents often occur in the vicinity of inlets, groins, jetties, and piers. Always supervise those who cannot swim and remember to heed the advice of the local beach patrol and flag warning systems.

UV Index / Very High

Very high risk of harm from unprotected sun exposure.

Take extra precautions. Unprotected skin will be damaged and can burn quickly. Minimize sun exposure between 10 a.m. and 4 p.m. Otherwise, seek shade, cover up, wear a hat and sunglasses, and use sunscreen.

Water Temperature

Mid 70s



National Weather Service Charleston, SC

Last update on 17 May 09:15 am EDT

Beach forecast for Fripp Island

Today	Tonight	Saturday	Saturday Night	Sunday	Sunday Night	Monday
						
Sunny	Clear	Sunny	Mostly Clear	Sunny	Mostly Clear	Sunny
Hi 81 °F	Lo 73 °F	Hi 83 °F	Lo 71 °F	Hi 81 °F	Lo 73 °F	Hi 82 °F

Today: Sunny, with a high near 81. South wind 11 to 13 mph.
Tonight: Clear, with a low around 73. South wind 10 to 14 mph.
Saturday: Sunny, with a high near 83. South wind 10 to 13 mph.
Saturday Night: Mostly clear, with a low around 71. South wind 8 to 11 mph.
Sunday: Sunny, with a high near 81. South wind 8 to 15 mph.
Sunday Night: Mostly clear, with a low around 73.
Monday: Sunny, with a high near 82.

Point Forecast: 7 Miles SE Saint Helena Island SC
32.31 -80.47 (Elev. 0 ft)

Visit your local NWS office at <https://www.weather.gov/chs>

Rip Risk / Low

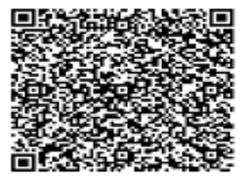
Life threatening rip currents often occur in the vicinity of inlets, groins, jetties, and piers. Always supervise those who cannot swim and remember to heed the advice of the local beach patrol and flag warning systems.

UV Index / Very High

Very high risk of harm from unprotected sun exposure. Take extra precautions. Unprotected skin will be damaged and can burn quickly. Minimize sun exposure between 10 a.m. and 4 p.m. Otherwise, seek shade, cover up, wear a hat and sunglasses, and use sunscreen.

Water Temperature

Mid 70s



National Weather Service Charleston, SC

Last update on 17 May 08:50 am EDT

Beach forecast for Hilton Head Island

Today



Sunny

Hi 82 °F

Tonight



Clear

Lo 73 °F

Saturday



Sunny

Hi 83 °F

Saturday
Night



Mostly
Clear

Lo 71 °F

Sunday



Sunny

Hi 81 °F

Sunday
Night



Mostly
Clear

Lo 74 °F

Monday



Sunny

Hi 82 °F

Today: Sunny, with a high near 82. South wind 9 to 11 mph.

Tonight: Clear, with a low around 73. South wind 9 to 11 mph.

Saturday: Sunny, with a high near 83. South wind 9 to 13 mph.

Saturday Night: Mostly clear, with a low around 71. South wind 9 to 13 mph.

Sunday: Sunny, with a high near 81. South wind 9 to 15 mph.

Sunday Night: Mostly clear, with a low around 74.

Monday: Sunny, with a high near 82.

Point Forecast: Sea Pines Plantation SC
32.13 -80.74 (Elev. 0 ft)

Visit your local NWS office at <https://www.weather.gov/chs>

Rip Risk / Low

Life threatening rip currents often occur in the vicinity of inlets, groins, jetties, and piers. Always supervise those who cannot swim and remember to heed the advice of the local beach patrol and flag warning systems.

UV Index / Very High

Very high risk of harm from unprotected sun exposure.

Take extra precautions. Unprotected skin will be damaged and can burn quickly. Minimize sun exposure between 10 a.m. and 4 p.m. Otherwise, seek shade, cover up, wear a hat and sunglasses, and use sunscreen.

Water Temperature

Mid 70s



National Weather Service Charleston, SC

Last update on 17 May 08:50 am EDT

Beach forecast for Daufuskie Island

Today	Tonight	Saturday	Saturday Night	Sunday	Sunday Night	Monday
						
Sunny	Clear	Sunny	Mostly Clear	Sunny	Mostly Clear	Mostly Sunny
Hi 83 °F	Lo 72 °F	Hi 84 °F	Lo 71 °F	Hi 81 °F	Lo 73 °F	Hi 83 °F

Today: Sunny, with a high near 83. South wind 8 to 13 mph.

Tonight: Clear, with a low around 72. South wind 8 to 13 mph.

Saturday: Sunny, with a high near 84. South wind 8 to 11 mph.

Saturday Night: Mostly clear, with a low around 71. South wind 8 to 11 mph.

Sunday: Sunny, with a high near 81. South wind 8 to 13 mph.

Sunday Night: Mostly clear, with a low around 73.

Monday: Mostly sunny, with a high near 83.

Point Forecast: 3 Miles S Daufuskie Island SC
32.08 -80.88 (Elev. 0 ft)

Visit your local NWS office at <https://www.weather.gov/chs>

Rip Risk / Low

Life threatening rip currents often occur in the vicinity of inlets, groins, jetties, and piers. Always supervise those who cannot swim and remember to heed the advice of the local beach patrol and flag warning systems.

UV Index / Very High

Very high risk of harm from unprotected sun exposure.

Take extra precautions. Unprotected skin will be damaged and can burn quickly. Minimize sun exposure between 10 a.m. and 4 p.m. Otherwise, seek shade, cover up, wear a hat and sunglasses, and use sunscreen.

Water Temperature

Mid 70s



Southern Beaufort County Tides

Tides for Pinckney Island, Mackay Creek, Chechessee River starting with May 17, 2019.

Day	High /Low	Tide Time	Height Feet	Sunrise Sunset	Moon	Time	% Moon Visible	
F	17	Low	2:09 AM	-0.5	6:24 AM	Set	5:45 AM	94
	17	High	8:07 AM	7.7	8:15 PM	Rise	7:09 PM	
	17	Low	2:19 PM	-0.7				
	17	High	8:42 PM	8.7				
Sa	18	Low	3:01 AM	-0.6	6:23 AM	Set	6:24 AM	98
	18	High	8:56 AM	7.6	8:16 PM	Rise	8:13 PM	
	18	Low	3:07 PM	-0.6				
	18	High	9:28 PM	8.7				
Su	19	Low	3:49 AM	-0.6	6:23 AM	Set	7:05 AM	99
	19	High	9:43 AM	7.4	8:16 PM	Rise	9:15 PM	
	19	Low	3:52 PM	-0.5				
	19	High	10:13 PM	8.5				
M	20	Low	4:36 AM	-0.5	6:22 AM	Set	7:50 AM	99
	20	High	10:28 AM	7.2	8:17 PM	Rise	10:15 PM	
	20	Low	4:36 PM	-0.2				
	20	High	10:57 PM	8.2				
Tu	21	Low	5:20 AM	-0.2	6:22 AM	Set	8:39 AM	95
	21	High	11:14 AM	6.9	8:18 PM	Rise	11:10 PM	
	21	Low	5:18 PM	0.1				
	21	High	11:43 PM	7.9				
W	22	Low	6:03 AM	0.1	6:21 AM	Set	9:30 AM	90
	22	High	12:01 PM	6.6	8:18 PM	Rise	12:00 PM	
	22	Low	5:59 PM	0.5				
Th	23	High	12:30 AM	7.5	6:20 AM	Set	10:24 AM	84
	23	Low	6:45 AM	0.5	8:19 PM			
	23	High	12:51 PM	6.3				
	23	Low	6:41 PM	0.8				

Northern Beaufort County Tides

Tides for Beaufort starting with May 17, 2019.

Day	High /Low	Tide Time	Height Feet	Sunrise Sunset	Moon	Time	% Moon Visible
F 17	Low	2:35 AM	-0.6	6:23 AM 8:15 PM	Set Rise	5:44 AM 7:09 PM	94
	High	8:40 AM	7.9				
	Low	2:45 PM	-0.8				
	High	9:15 PM	9.0				
Sa 18	Low	3:27 AM	-0.7	6:23 AM 8:16 PM	Set Rise	6:23 AM 8:13 PM	98
	High	9:29 AM	7.8				
	Low	3:33 PM	-0.7				
	High	10:01 PM	9.0				
Su 19	Low	4:15 AM	-0.7	6:22 AM 8:16 PM	Set Rise	7:05 AM 9:15 PM	99
	High	10:16 AM	7.6				
	Low	4:18 PM	-0.5				
	High	10:46 PM	8.8				
M 20	Low	5:02 AM	-0.5	6:21 AM 8:17 PM	Set Rise	7:50 AM 10:15 PM	99
	High	11:01 AM	7.4				
	Low	5:02 PM	-0.2				
	High	11:30 PM	8.5				
Tu 21	Low	5:46 AM	-0.2	6:21 AM 8:18 PM	Set Rise	8:38 AM 11:10 PM	95
	High	11:47 AM	7.1				
	Low	5:44 PM	0.1				
W 22	High	12:16 AM	8.1	6:20 AM 8:18 PM	Set Rise	9:29 AM 12:00 PM	90
	Low	6:29 AM	0.1				
	High	12:34 PM	6.7				
	Low	6:25 PM	0.5				
Th 23	High	1:03 AM	7.7	6:20 AM 8:19 PM	Set	10:23 AM	84
	Low	7:11 AM	0.5				
	High	1:24 PM	6.5				
	Low	7:07 PM	0.9				



A total of 128 individual King Tides ($\geq 6.6'$ above mean lower low water (MLLW)) were observed in 2017, while 35 events were predicted. Observed inundation time from King Tides totaled 249 hours. The maximum water level reached for the year occurred during Tropical Storm Irma on September 11 at 1:18 p.m. when the Charleston Harbor Tide Station registered waters at 9.92' above MLLW. This is the third highest water level recorded at this tide station since data collection began in 1899.

2019 Predicted King Tides

- January 21-22
- April 19-20
- July 3-4
- July 30 – August 3
- August 28 – September 1
- September 25 – October 2
- October 26-31
- November 25-28

DATE	AM/PM	KING TIDE PREDICTED?	KING TIDE OBSERVED?	PREDICTED WATER LEVEL	OBSERVED WATER LEVEL	DIFFERENCE
April 17	PM	No	Yes	6.3	6.7	0.4
April 18	AM	No	Yes	6	6.6	0.6
April 18	PM	No	Yes	6.5	7.1	0.6
April 19	AM	No	Yes	6	6.7	0.7
April 19	PM	Yes	Yes	6.6	7.2	0.6
April 20	PM	Yes	No	6.6	6.1	-0.5

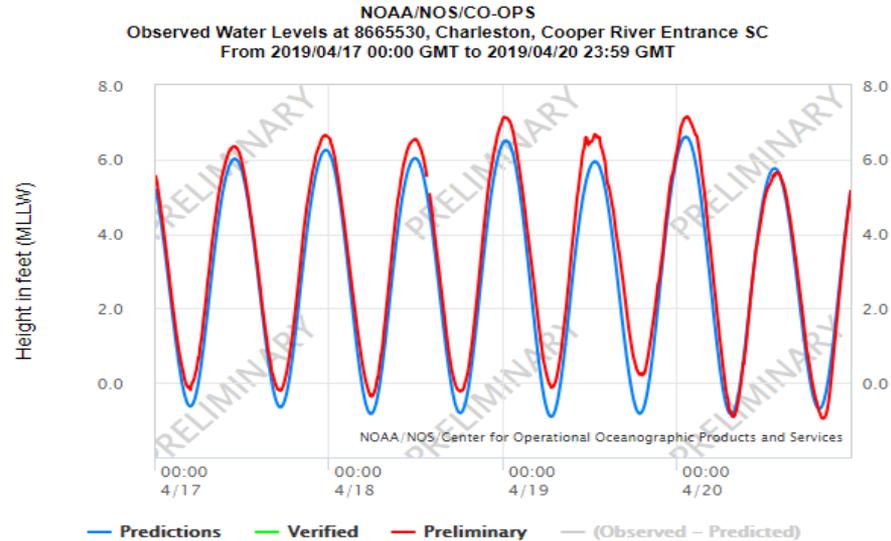
👑 Summary of April 2019 South Carolina King Tides

Highest Predicted Tide: 6.6' 📖

Highest Observed Tide: 7.2' 👁

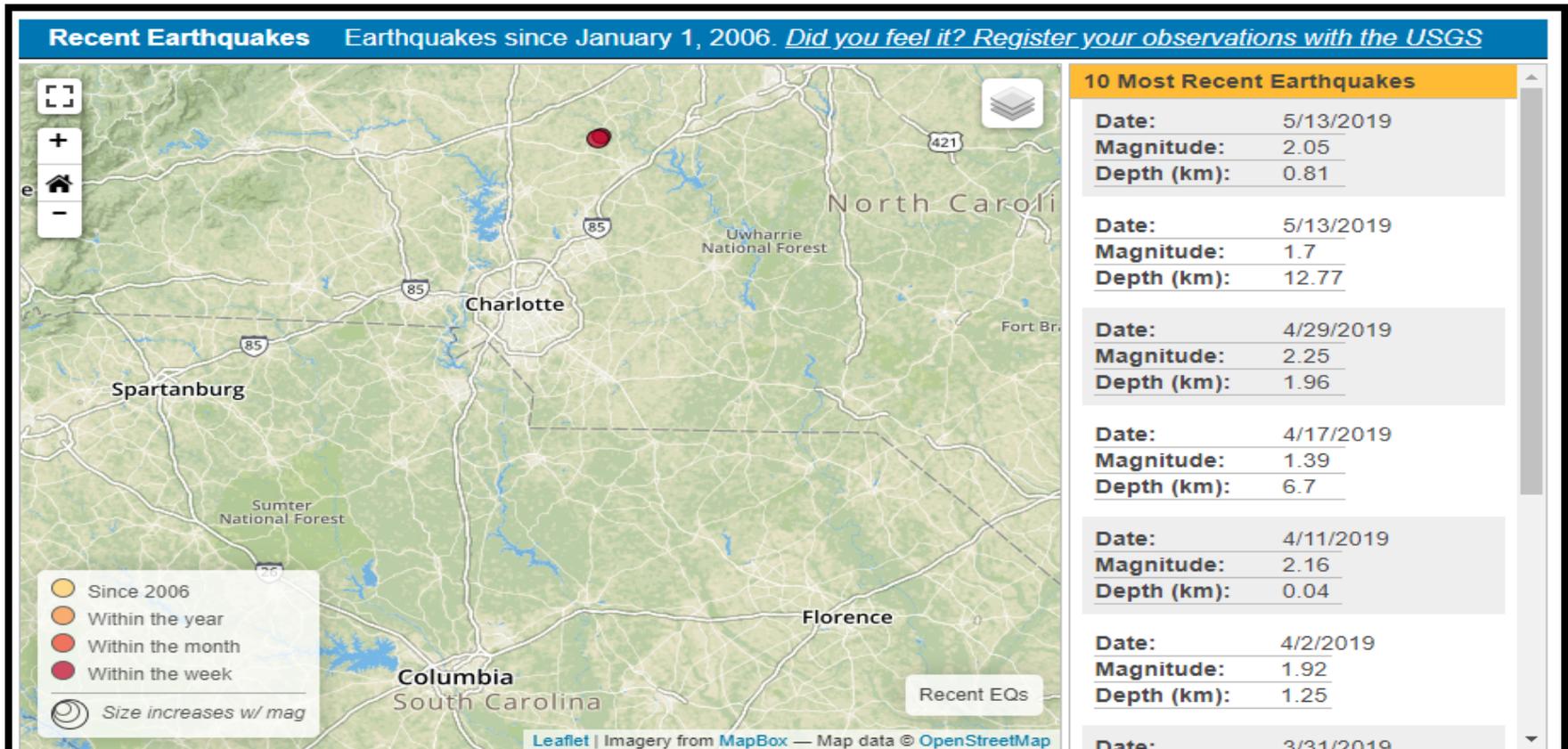
Predicted King Tides: 2 📖

Observed King Tides: 5 👁



South Carolina Earthquakes within the Week

www.dnr.sc.gov/geology/RecentEarthquakes.htm

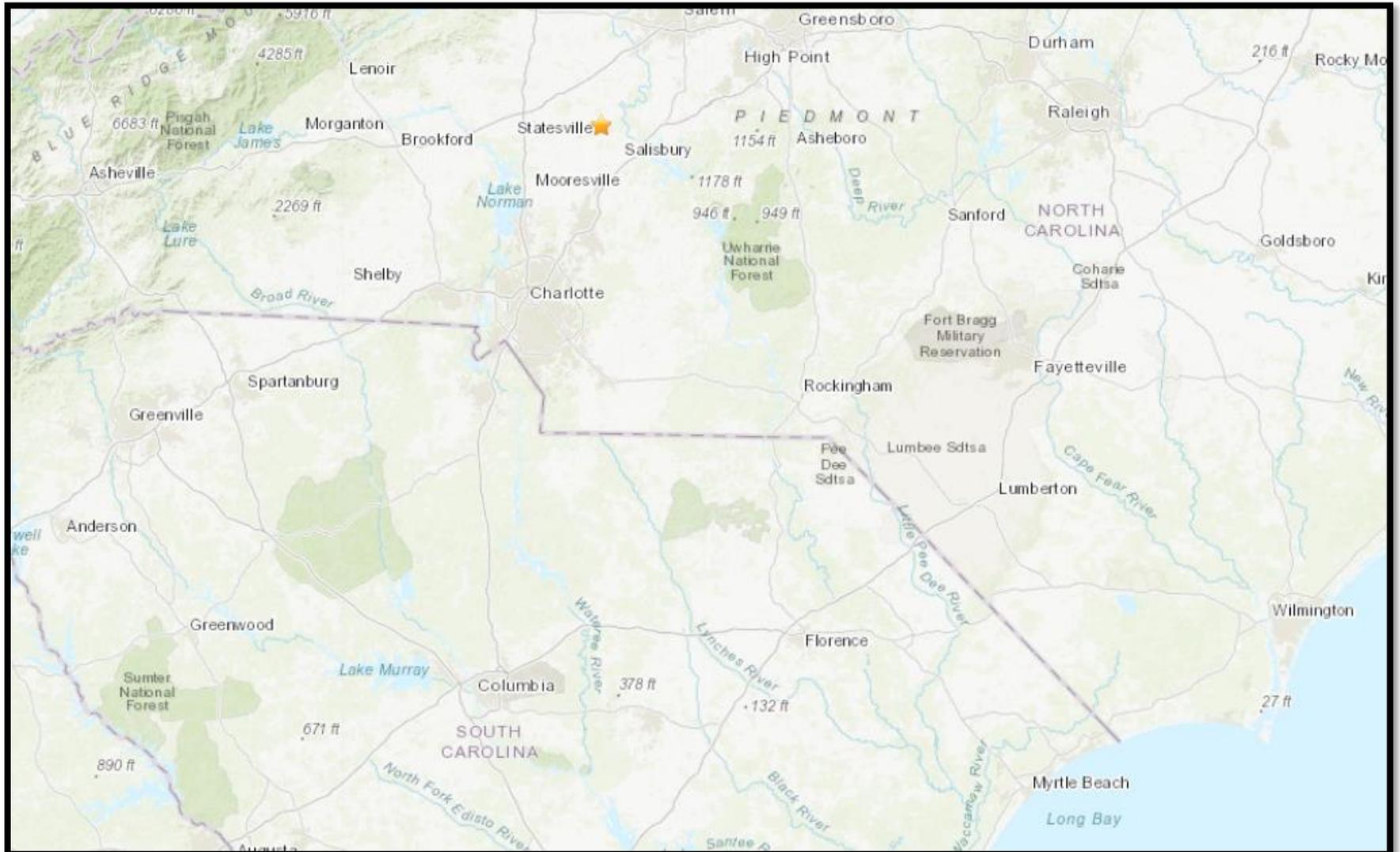


Earthquakes in South Carolina

Earthquakes are a regular occurrence in South Carolina. The Palmetto State has a seismic past and will, no doubt, tremble again as quakes shake the ground beneath our feet. The South Carolina Geological Survey (SCGS) is interested in making South Carolinians aware of our seismic past, what causes our earthquakes, what is being done to reduce the losses that will result from future quakes, and what you should do before, during, and after an earthquake.

M 1.7 – 8km NW of Franklin, North Carolina

May 13, 2019



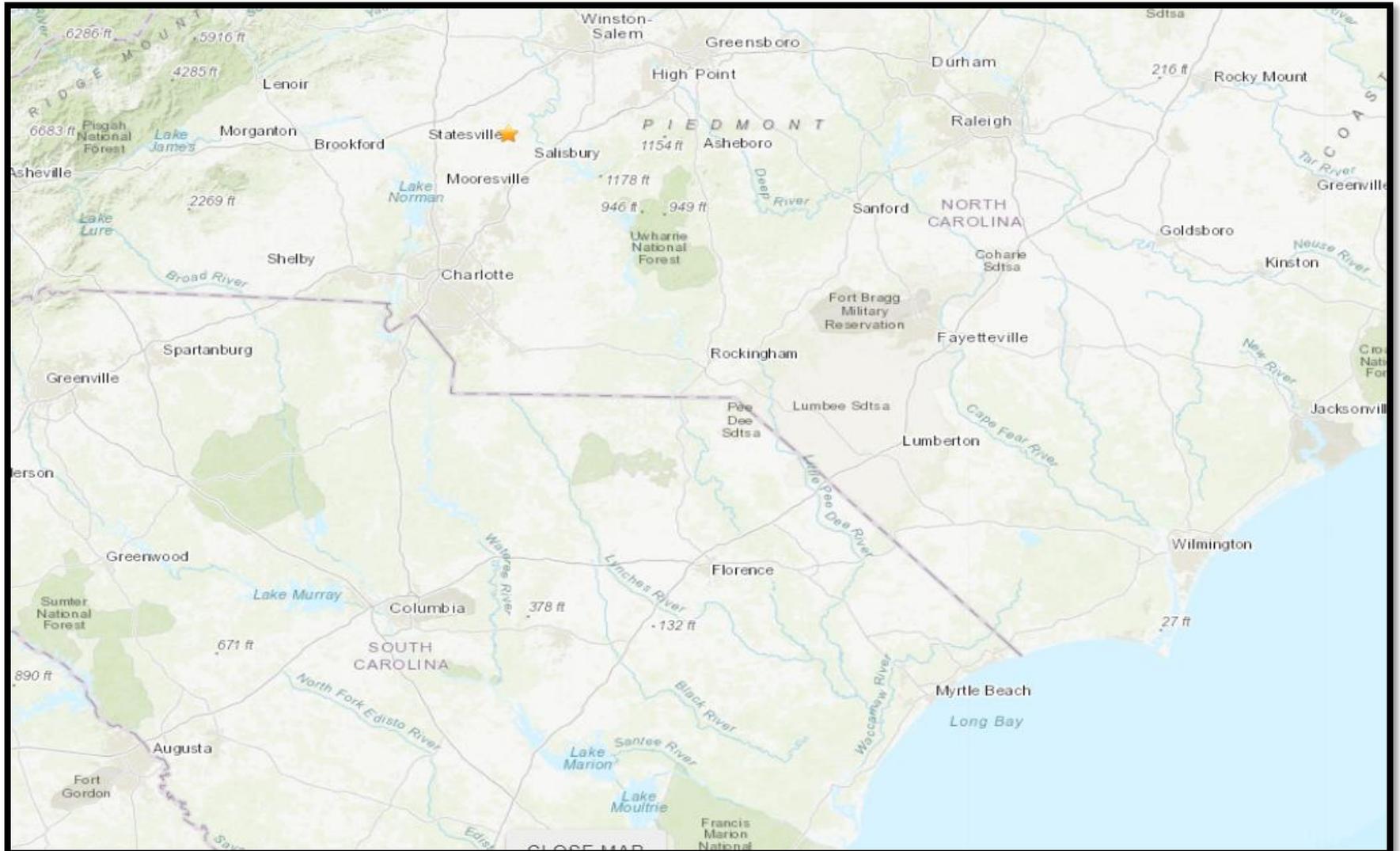
M 1.7 – 8km NW of Franklin, North Carolina

May 13, 2019

Details	Phases	Magnitudes
Magnitude uncertainty	1.7 md ± 0.1	
Location uncertainty	35.773°N 80.561°W ± 0.8 km	
Depth uncertainty	12.8 km ± 2.5	
Origin Time	2019-05-13 09:17:22.660 UTC	
Number of Stations	10	
Number of Phases	13	
Minimum Distance	59.8 km (0.54°)	
Travel Time Residual	0.3 s	
Azimuthal Gap	84°	
EE Region	North Carolina (512)	
Review Status	REVIEWED	
Catalog	SE (se60083228)	
Location Source	SE ¹	
Magnitude Source	SE ¹	
Contributor	SE ¹	

M 2.1 – 8km NW of Franklin, North Carolina

May 13, 2019



M 2.1 – 8km NW of Franklin, North Carolina

May 13, 2019

Details	Phases	Magnitudes
Magnitude uncertainty	2.05 md ± 0.1	
Location uncertainty	35.765°N 80.571°W ± 0.7 km	
Depth uncertainty	0.8 km ± 4.9	
Origin Time	2019-05-13 09:24:00.370 UTC	
Number of Stations	12	
Number of Phases	15	
Minimum Distance	59.0 km (0.53°)	
Travel Time Residual	0.29 s	
Azimuthal Gap	84°	
EE Region	North Carolina (512)	
Review Status	REVIEWED	
Catalog	SE (se60083223)	
Location Source	<u>SE</u> . ¹	
Magnitude Source	<u>SE</u> . ¹	
Contributor	<u>SE</u> . ¹	

EARTHQUAKE HAZARDS of the South Carolina Coastal Plain

1996

Geologic Compilation by Paul G. Nystrom, Jr.
Assisted by C. W. Clendenin, Jr. and William R. Doar, III
SC Department of Natural Resources,
Geological Survey



MAP GUIDE

- Low or no potential for earthquake hazards
- Potential for Liquefaction
- Potential for Landslide
- Potential for Collapse
- Fall Line

- Liquefaction features caused by Charleston 1886 Earthquake
- Phreatic Liquefaction features (Poulos et al., 1995; Anon., 1985; Clendenin, 1985)
- Phreatic Liquefaction features (Poulos and others, 1987, 1993)

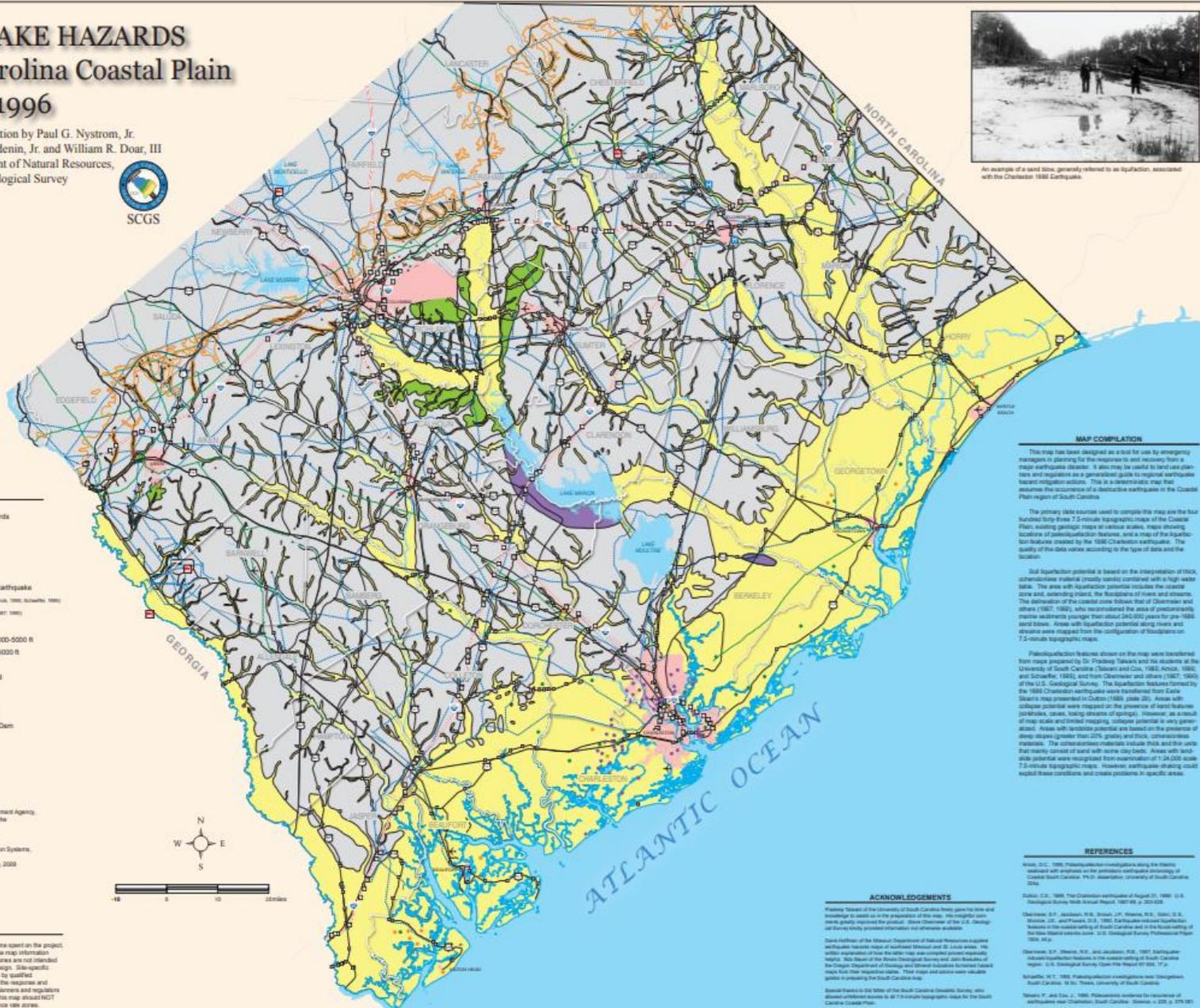
- Lakes and Rivers
- Municipalities
- County Boundary
- Interstate
- US Highway
- Railroad
- Powerline
- Gas Pipeline
- Airport - Runway 3000-5000 ft
- Airport - Runway >5000 ft
- Bridge - Interstate
- Bridge - Major Road
- Hospital
- Nuclear Reactor
- High Hazard Dam
- Significant Hazard Dam

Map prepared under a grant from the Federal Emergency Management Agency, National Earthquake Hazard Reduction Program, and the South Carolina Emergency Preparedness Division.

Original Digital Compilation and Cartography by
University of South Carolina, Center of Libraries and Information Systems,
Digital Mapping Service, 1996
Cartography revised by South Carolina Geological Survey, 2006

DISCLAIMER

This map was necessarily based on limited data, resources and available time spent on the project, and information presented on the map includes subjective assumptions. The map information should NOT be used in place of site-specific studies. The relative hazard zones are not intended to replace site-specific evaluations, such as for engineering analysis and design. Site-specific earthquake hazards should be assessed through geotechnical investigation by qualified practitioners. This map has been designed as a tool for use of planners for the response and recovery from a major earthquake disaster. It may be useful to particular governments and regulators as a general guide to regional earthquake hazard potential. However, this map should NOT be used for land use zoning, building code requirements, or defining insurance rate areas.



An example of a sand blow, generally related to an liquefaction, associated with the Charleston 1886 Earthquake.

MAP COMPILATION

This map has been designed as a tool for use by emergency managers in planning for the response to and recovery from a major earthquake disaster. It also may be useful to land use planners and regulators as a general guide to regional earthquake hazard mitigation actions. This is a deterministic map that assumes the occurrence of a destructive earthquake in the Coastal Plain region of South Carolina.

The primary data sources used to compile this map are the four hundred forty-three 7.5-minute topographic maps of the Coastal Plain, existing geologic maps of various scales, maps showing locations of prehistoric features, and a map of the liquefaction features created by the 1886 Charleston earthquake. The quality of the data varies according to the type of data and the location.

Soil liquefaction potential is based on the interpretation of thick, carbonate material (predominantly combined with a high water table). The area with liquefaction potential includes the coastal zone and, extending inland, the floodplains of rivers and streams. The delineation of the coastal zone follows that of Clendenin and others (1987, 1993), who reconstructed the area of predominantly marine sediments younger than about 240,000 years for pre-1886 sand blows. Areas with liquefaction potential along rivers and streams were mapped from the configuration of floodplains on 7.5-minute topographic maps.

Phreatic liquefaction features shown on the map were transferred from maps prepared by Dr. Prabhakar Tavenar and his students at the University of South Carolina (Tavenar and Cox, 1982; Anon., 1982; and Schaeffer, 1982), and from Clendenin and others (1987, 1993) of the U.S. Geological Survey. The liquefaction features formed by the 1886 Charleston earthquake were transferred from Carlo Scarpa's map prepared by Cuddeback (1988, cited in Scarpa, 1988). Areas with collapse potential were mapped on the presence of sand features (sandblows, cones, loess deposits or springs). However, as a result of map scale and limited mapping, collapse potential is very generalized. Areas with landslide potential are based on the presence of steep slopes greater than 20% and thick, carbonate materials. The carbonate materials reduce rock and the soils that mainly consist of sand with some clay loess. Areas with landslide potential were mapped from examination of 1:24,000 scale 7.5-minute topographic maps. However, earthquakes shaking could equal these conditions and create problems, in specific areas.

REFERENCES

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Tavenar, P. and Cox, J., 1982. Preliminary studies for location of earthquake in Charleston, South Carolina. Science, v. 225, p. 379-381.

ACKNOWLEDGMENTS

Thanks to staff of the University of South Carolina for their time and knowledge in use of the presentational of this map. The map data were mainly prepared for the project. Steve Clendenin of the U.S. Geological Survey provided information for phreatic liquefaction.

Desk editor of the Missouri Department of Natural Resources assisted with the phreatic liquefaction map of Southeast Missouri and St. Louis area. The writer acknowledges that the writer may be considered a potential recipient. With thanks to the Missouri Geological Survey and John Beardsley of the Oregon Department of Energy and Mineral Resources for their assistance in the phreatic liquefaction map. The writer and John Beardsley would like to thank the Missouri Department of Natural Resources for their assistance in the phreatic liquefaction map.

Special thanks to the staff of the South Carolina Geological Survey, who assisted with the map. A 7.5-minute topographic map for the South Carolina Coastal Plain.

<http://scearthquakes.cofc.edu/pdf/EQGuide2012.pdf>

EMERGENCY MANAGEMENT DIVISION
S. C.
SOUTH CAROLINA

South Carolina Earthquake Guide

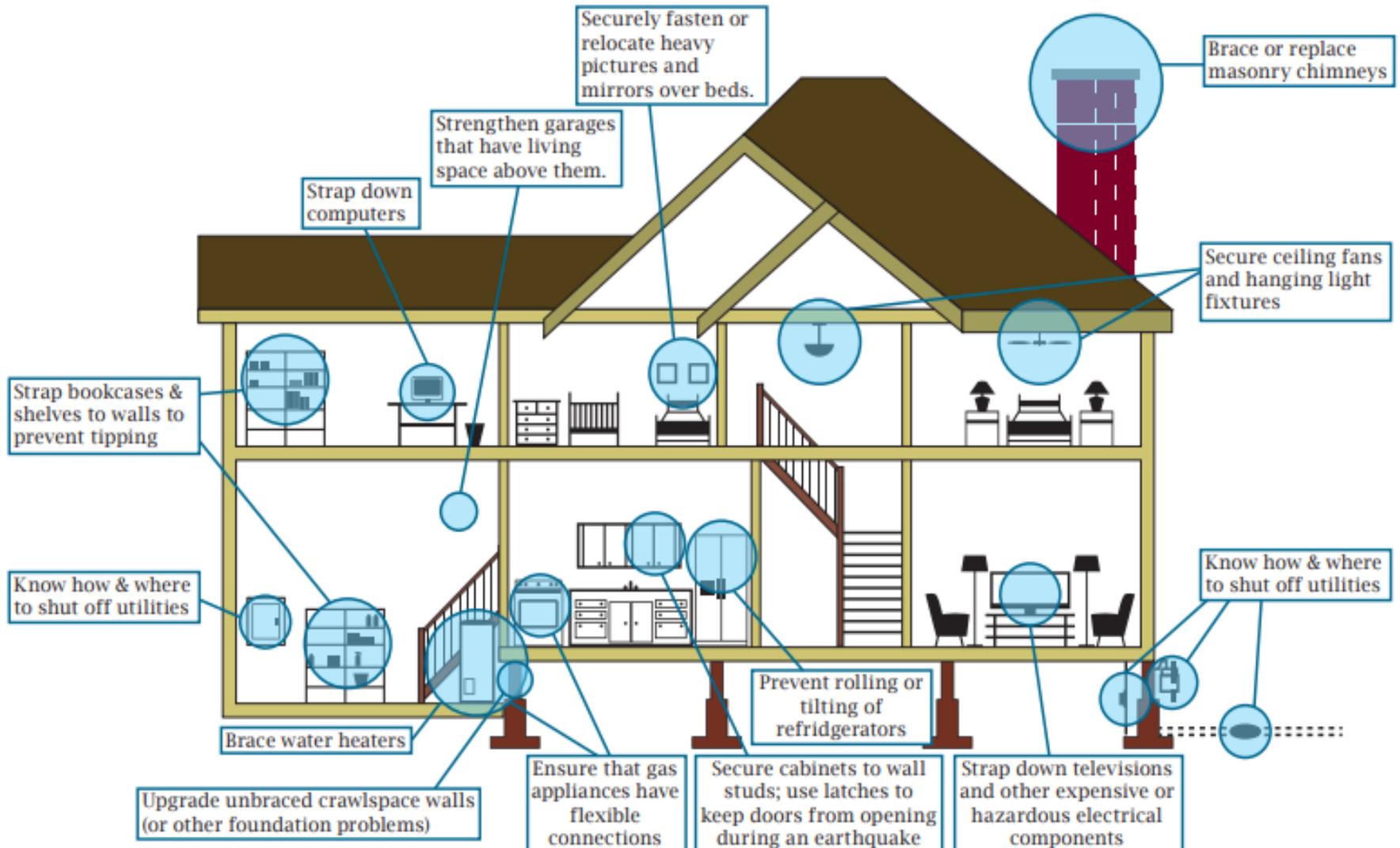
Inside...

- Earthquakes in South Carolina
- Charleston Earthquake of 1886
- An Earthquake Today
- Earthquake Home Hazard Hunt
- And More...

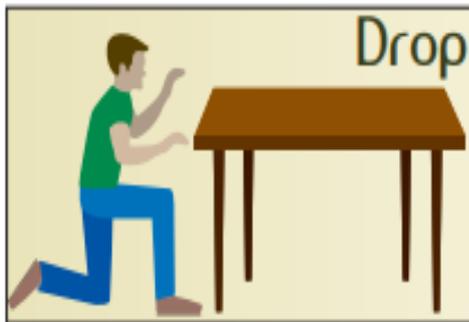
RUIN IN CHARLESTON
VOL. XXVII, NO. 9,144
Another Day and Night of Terror and Confusion.
The Loss of Life and Property Not Yet to be Ascertained.
All the Population Out of Doors Dreading Further Shocks.
The Thrilling Story of Tuesday Night's Series of Earthquakes.
Another Night Shock Last Evening Further Demoralizes the People.
Scores of Dead and Injured and a Loss of Many Millions.

Earthquake Home Hazard Hunt

Recommendations for reducing earthquake hazards in your home.

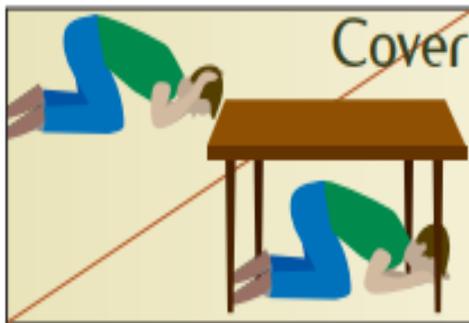


When the Ground Moves



DROP down on the floor:

Take **COVER** under a sturdy desk, table or other furniture. If that is not possible, seek cover against an interior wall and protect your head and neck with your arms. Avoid danger spots near windows, hanging objects, mirrors, or tall furniture.



If you take cover under a sturdy piece of furniture, **HOLD** on to it and be prepared to move with it. Hold the position until the ground stops shaking and it is safe to move.

Tips

When in a **HIGH-RISE BUILDING**, move against an interior wall if you are not near a desk or table. Protect your head and neck with your arms. Do not use the elevators.

When **OUTDOORS**, move to a clear area away from trees, signs, buildings, or downed electrical wires and poles.

When on a **SIDEWALK NEAR BUILDINGS**, duck into a doorway to protect yourself from falling bricks, glass, plaster and other debris.

When **DRIVING**, pull over to the side of the road and stop. Avoid overpasses and power lines. Stay inside your vehicle until the shaking stops.

When in a **CROWDED STORE OR OTHER PUBLIC PLACE**, move away from display shelves containing objects that could fall. Do not rush for the exit.

When in a **STADIUM OR THEATER**, stay in your seat, get below the level of the back of the seat and cover your head and neck with your arms.

The Beaufort County Sheriff's Office Emergency Management Division App

Download for free



Available on the
App Store



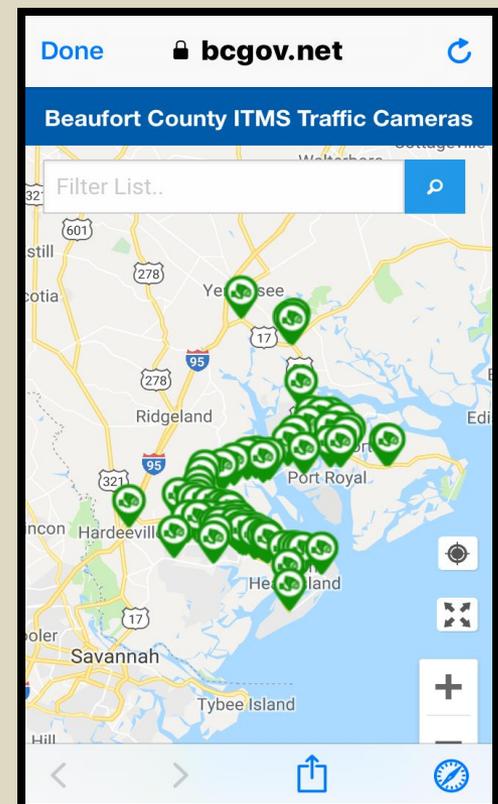
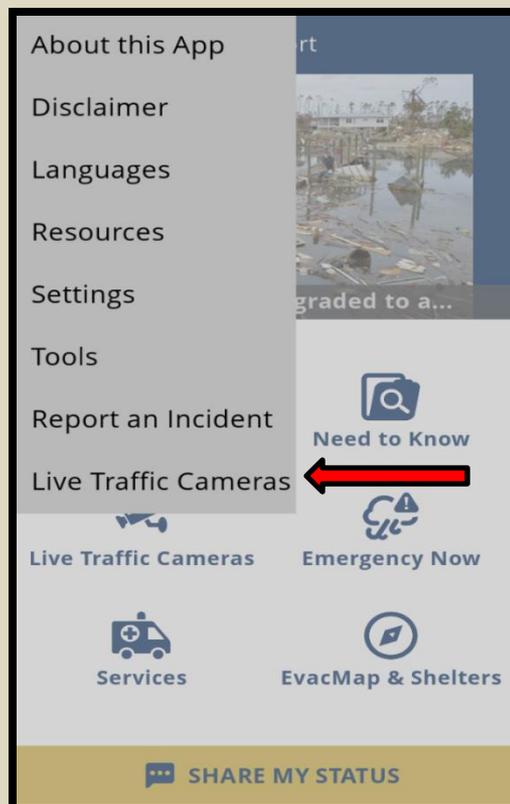
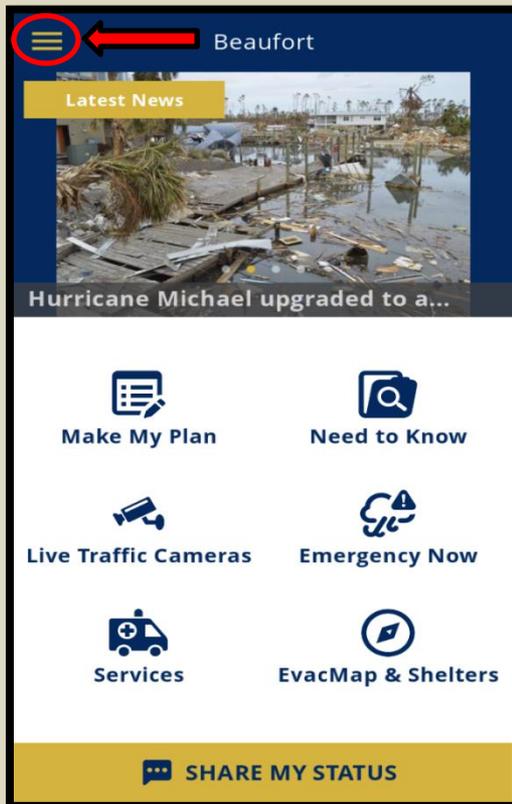
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Google Play



BEAUFORT COUNTY, SC
EMERGENCY
MANAGEMENT

The Beaufort County Emergency Management app gives a live view of the traffic cameras in Beaufort County. These cameras can be selected from the layer menu located in the top left corner.

See example below:





BEAUFORT COUNTY
SHERIFF'S OFFICE

EMERGENCY MANAGEMENT DIVISION

Emergency Operations Center
911 Dispatch Center
Traffic Management Center

facebook

**Beaufort County, SC Emergency Management Division
@BeaufortCoEmergencyManagement**

Smart-911

A web based database that allows citizens to preload vital information into a secure database. When the citizen then dials 911, the database automatically provides the 911 operator with the information the caller has preloaded. This can include information from pictures of the home to medicines the caller and/or victim is taking. This information is only available to the dispatcher during the time of the call. Success stories around the country include missing Alzheimer's patients where a picture was included in the Smart 911 database. The 911 operator was immediately provided the responders with a current picture of the victim which results in a quick location of the victim. Sign up is free, voluntary and customizable by the caller.

Plan Ahead For Any Emergency

Give 9-1-1 the information they need to help you fast.

SIGN UP TODAY

Smart911 protects over
45 million people nationwide.



Safety Profile

Provide additional information to 9-1-1 so they can help you faster in an emergency.



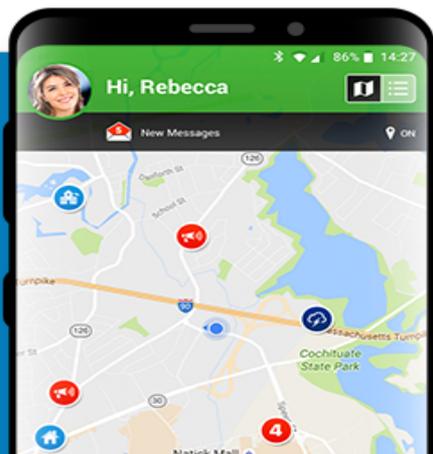
Alerts and Notifications

Stay informed of weather, traffic, and other emergencies in your community.



Vulnerable Needs Registry

Alert emergency managers that you need special assistance when a disaster strikes.



Get the Mobile App

Download the Smart911 App today and have life-saving capabilities at your fingertips, 24/7.



Your Safety Profile Is Free, Private, And Secure.

Add as much or as little to your profile as you want. It's up to you, and your information will only be seen if you ever have to call 9-1-1.



People and Household Info

You can add key information about members of your household that would help anyone you care for in the event of an emergency, whether the call is from the home or any mobile phone.

[Learn more >](#)



Address and Location Info

Giving responders visual details on an emergency location helps facilitate faster response, as does information on access points like hidden driveways or gate codes.

[Learn more >](#)



Medical Info

No matter where you or your loved ones are, you can always have peace of mind that responders will know any critical medical condition and how to help before they even arrive.

[Learn more >](#)



Other Info

You can also add as much or as little information about your vehicles, pets, service animals, along with any special notes that you would want responders to know.

[Learn more >](#)



if you
SEE
something
SAY
something™

**REPORT SUSPICIOUS
ACTIVITY** to local authorities.

Call **877-OHS-INTEL** (877-647-4683)



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Have a Safe Week!

Beaufort County Sheriff's Office
Emergency Management Division
843-255-4000

MISSION

The mission of the Beaufort County Sheriff's Office Emergency Management Division is to protect lives and property from the threat of all types of major emergencies and disasters, both natural and man-made through preparation, planning and training.

Follow us on Twitter for up to the minute Traffic and Weather Info!
<https://twitter.com/bcsotraffic>