Beaufort County Weekly Operations Briefing February 8, 2019 thru February 14, 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.





This Day in History

www.history.com

New England Digs Out After Blizzard

- A classic "Nor'easter" storm that brought a severe blizzard to New England finally subsides on this day in 1978, and the region begins to dig out from under several feet of snow. Over the previous 72 hours, some areas of Rhode Island and Massachusetts had received as many as 55 inches of snow.
- Three major weather systems all converged near the Atlantic Coast on February 5, and New York City was the first to be hit with a snowstorm. As the storm moved northeast, it stalled over Connecticut, Rhode Island and Massachusetts, catching many of the region's residents by surprise. It is estimated that 3,500 cars were abandoned on Massachusetts streets and highways and several people died in their vehicles on Interstate 93 when they became trapped. A college hockey playoff was played at the Boston Garden despite the weather, and many of the spectators were unable to return home.
- On February 6, the blizzard whipped up powerful sustained winds of up to 50 miles per hour with gusts of nearly 100 mph. Fifty-foot waves on the Massachusetts coast wiped out seaside homes, while further north, in Maine, waves destroyed three lighthouses and an amusement pier.
- One of the hardest-hit communities in New England was Providence, Rhode Island, where travel became
 nearly impossible and Governor Joseph Garrahy ordered all businesses except grocery stores closed. Few
 of these stores had any food in stock, and eventually, supplies had to be airlifted in to Providence College.
 Similar conditions were found in areas of Boston, and looting broke out in some spots. Governor Michael
 Dukakis banned all cars from the roads because stuck vehicles were making it impossible for snow plows
 to clear the streets.

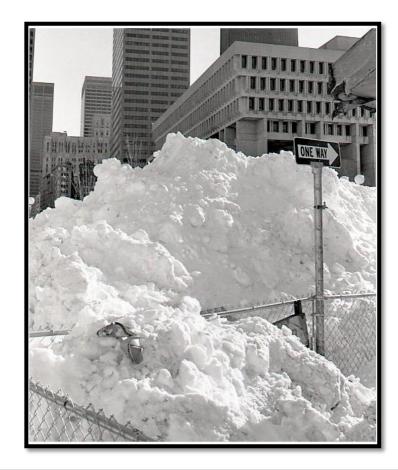
This Day in History

www.history.com

• In the end, 56 deaths between February 5 and February 8 were attributed to the blizzard. Thousands more people were left homeless. In one tragic incident, a young child died after becoming lost in the snow–although he was only yards from his home, he could not be located. This was the worst blizzard to hit New England since 1888.







Upcoming Events

• 02/09/19	HHI Marathon, Half Marathon & 8K	Hilton Head
• 02/16/19 thru 02/17/19	HHI Gullah Celebration	Hilton Head
• 02/18/19 thru 02/24/19	HHI Seafood Festival	Hilton Head
• 02/19/19 thru 02/24/19	Beaufort Film Festival	Beaufort
• 03/01/19	First Friday After Five	Beaufort
• 03/02/19	Beaufort Charities Oyster Roast	Port Royal
• 03/11/19 thru 03/17/19	HHI Wine & Food Festival	Hilton Head
• 03/17/19	St Patrick's Day Parade	Hilton Head
• 03/29/19 thru 03/31/19	Lowcountry Home & Garden Show	Bluffton
• 03/30/19	Run / Walk for Hunger	Hilton Head
• 04/15/19 thru 04/21/19	RBC Heritage Golf Tournament	Hilton Head
 04/27/19 thru 04/28/19 	MCAS Beaufort Air Show	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)

Portable Light Towers (x2)
 Green

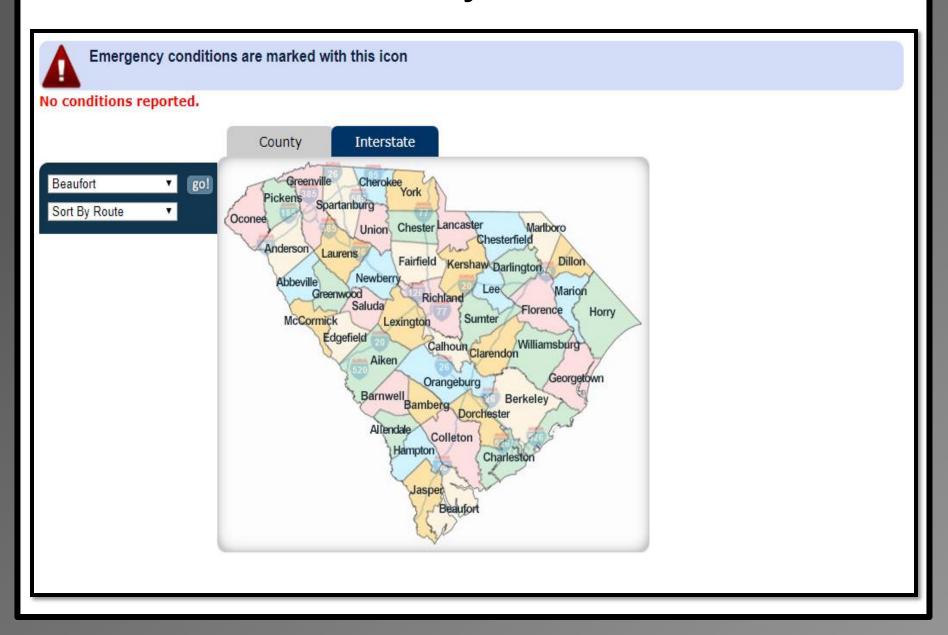
Portable HAR (x2)
 Green

• BROC Green

• Air- 1 Green

• Air -2 Red

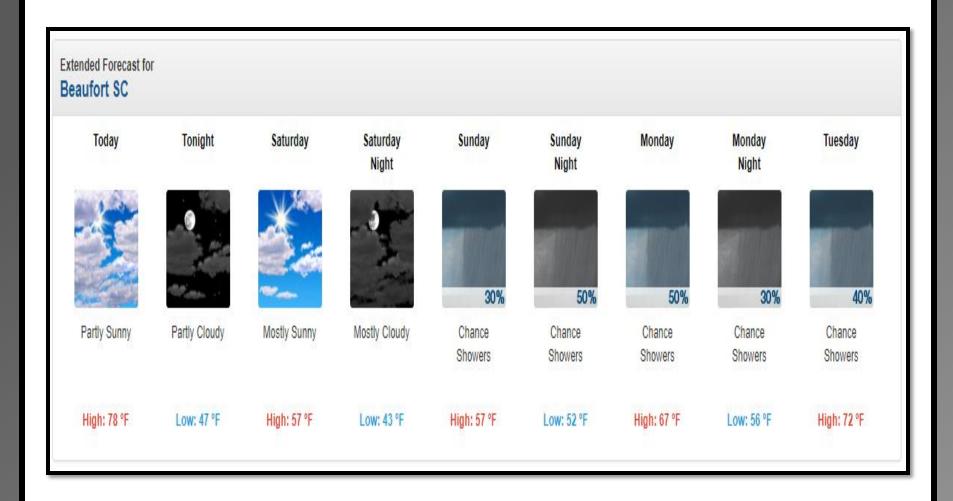
Beaufort County Road Conditions



US 21 Harbor Island Bridge Construction



Extended Weather Forecast



Detailed Forecast							
Today	Partly sunny, with a high near 78. Northwest wind 6 to 9 mph.						
Tonight	Partly cloudy, with a low around 47. Northwest wind 6 to 10 mph becoming north after midnight.						
Saturday	Mostly sunny, with a high near 57. Northeast wind 11 to 15 mph.						
Saturday Night	Mostly cloudy, with a low around 43. Northeast wind 9 to 11 mph.						
Sunday	A chance of showers. Mostly cloudy, with a high near 57. Northeast wind 8 to 13 mph. Chance of precipitation is 30%.						
Sunday Night	A chance of showers. Cloudy, with a low around 52. Chance of precipitation is 50%. New precipitation amounts of less than a tenth of an inch possible.						
Monday	A chance of showers. Cloudy, with a high near 67. Chance of precipitation is 50%.						
Monday Night	A chance of showers. Mostly cloudy, with a low around 56. Chance of precipitation is 30%.						
Tuesday	A chance of showers. Cloudy, with a high near 72. Chance of precipitation is 40%.						
Tuesday Night	A chance of showers. Mostly cloudy, with a low around 55. Chance of precipitation is 50%.						
Wednesday	A chance of showers. Mostly cloudy, with a high near 64. Chance of precipitation is 30%.						
Wednesday Night	Mostly cloudy, with a low around 47.						
Thursday	Mostly sunny, with a high near 63.						







Weather Briefing for Southeast SC/GA

10:30 AM Friday, February 8, 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.















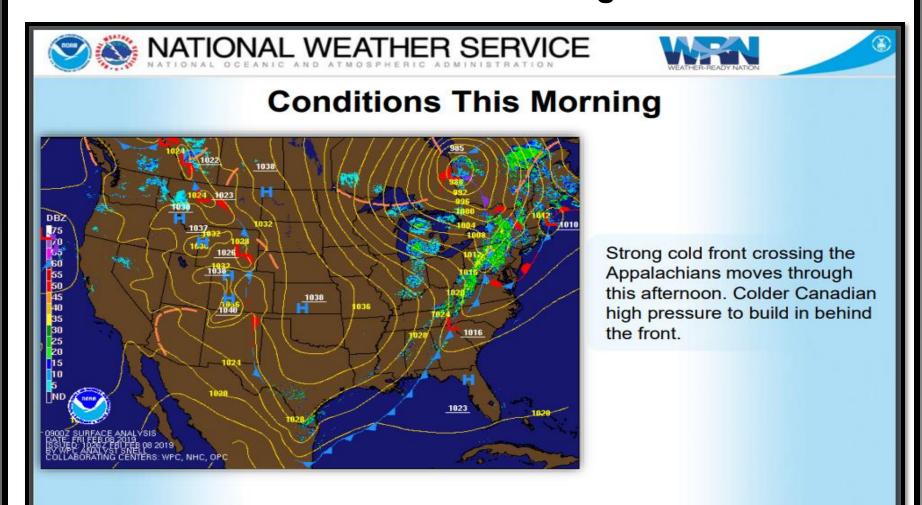


Highlights

- Near record warmth again today, then turning much colder tonight into the weekend behind a strong cold front that pushes through this afternoon. [There will be as much as a 30-35 degree difference in temperatures from the high today to the low Saturday morning]
- Small Craft Advisory for all waters, including Charleston Harbor starting late tonight. (Low chance of Gales Saturday and Saturday night.)
- Might need a Lake Wind Advisory on Lake Moultrie late tonight and Saturday.
- Gusty winds combined with low Relative Humidity and drying fuels could lead to an elevated Fire Danger potential on Saturday.







Charleston, SC





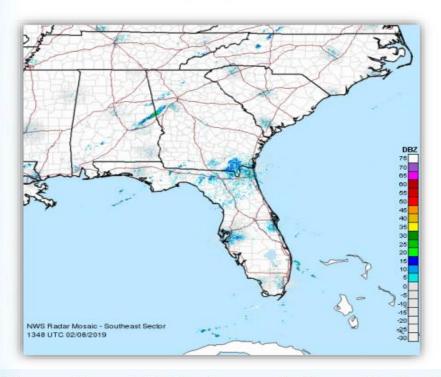
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Radar Imagery This Morning



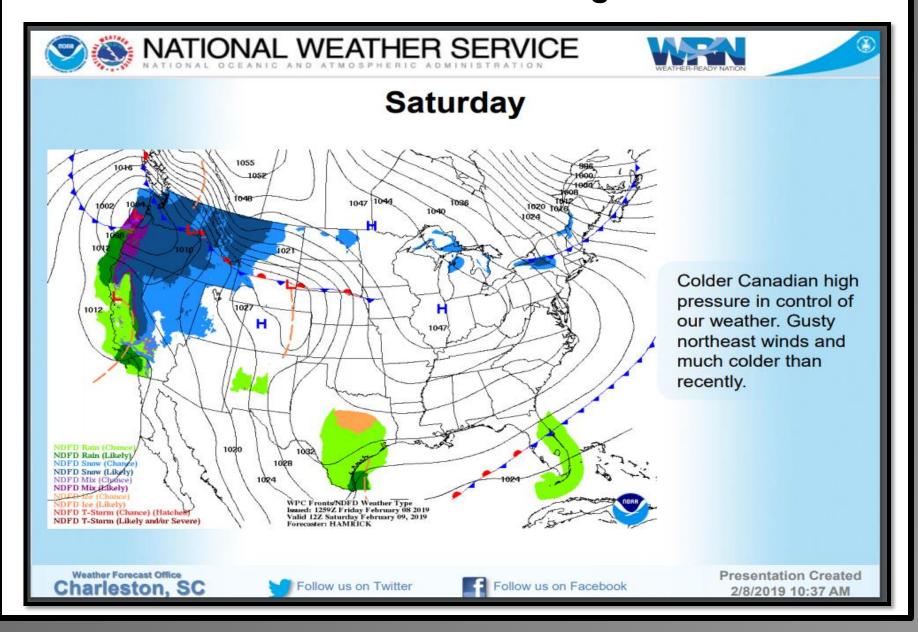
The cold front will come through the local area rain-free as the front loses it's support in the upper levels of the atmosphere.

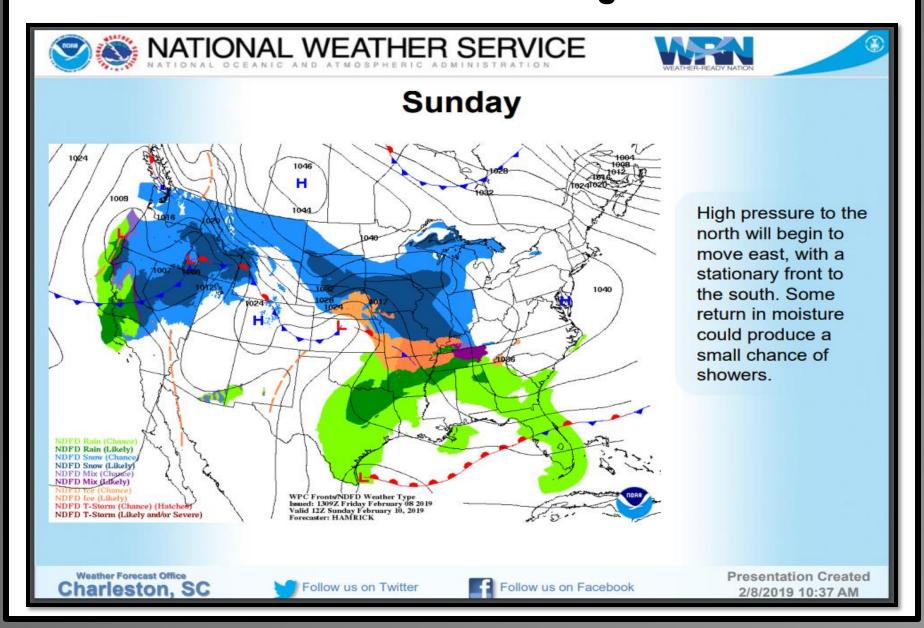






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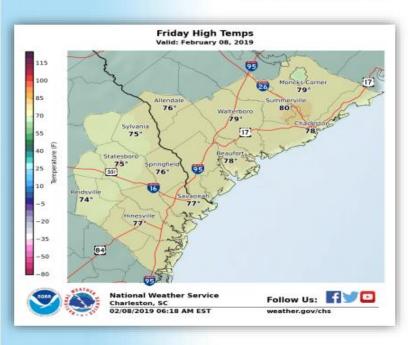








Maximum Temperatures





Spring-like with near record warmth today, then at least 15-20 degrees colder Saturday.



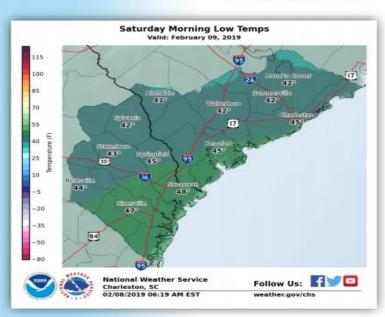








Minimum Temperatures





Lows early Saturday morning at least 10-15 degrees colder than it was this morning, with many locations in the 30s Saturday night/early Sunday.











Max Wind Gusts

Tonight



Saturday



Saturday night



Solid Small Craft Advisories late tonight through much of the weekend, with a low end chance of Gales, as wind gusts will be as high as 30 to 38 knots.





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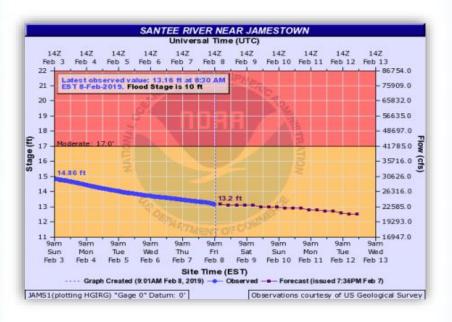


NATIONAL WEATHER SERVICE





Santee River



Minor flooding to continue.







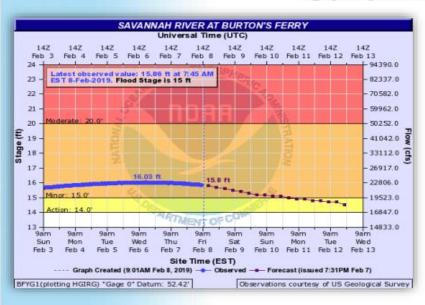
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Savannah River





Minor flooding to continue. Although Burton's ferry is forecast to fall below Flood Stage Monday.











Summary / Expected Impacts

- Near record warmth again today, then turning much colder tonight into the weekend behind a strong cold front that pushes through this afternoon. [There will be as much as a 30-35 degree difference in temperatures from the high today to the low Saturday morning]
- Small Craft Advisory for all waters, including Charleston Harbor starting late tonight. (Low chance of Gales Saturday and Saturday night.)
- Might need a Lake Wind Advisory on Lake Moultrie late tonight and Saturday.











Aviation Highlights

 Gusty northeast winds at KCHS and KSAV Saturday. Possible flight restrictions at times later Sunday into Monday due to showers and low clouds.

Fire Weather Highlights

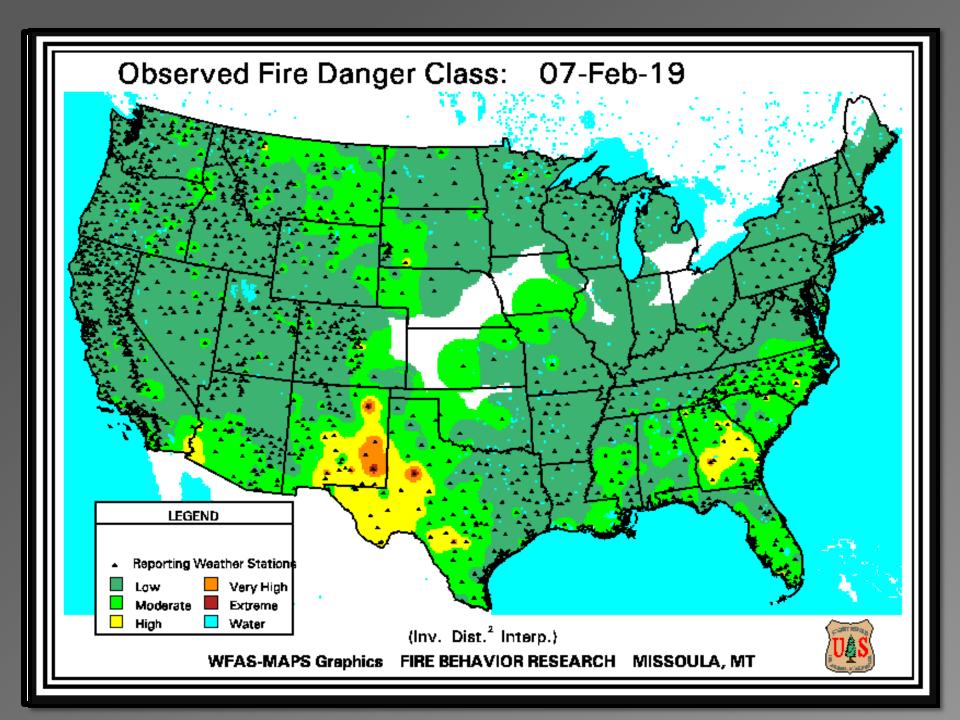
 Gusty winds combined with low Relative Humidity and drying fuels could lead to an elevated Fire Danger potential on Saturday.







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Southern Beaufort County Tides

Tides for Pinckney Island, Mackay Creek, Chechessee River starting with February 8, 2019.

Day		High /Low	Tide Time	Height Feet		Moon	Time	% Moon Visible
F	8	Low	4:29 AM	0.1	7:12 AM	Rise	9:28 /	AM 7
	8	High	10:47 AM	6.9	6:03 PM	Set	9:31 F	PM
	8	Low	4:57 PM	0.0				
	8	High	11:00 PM	6.6				
Sa	9	Low	5:06 AM	0.3	7:11 AM	Rise	9:58 /	AM 13
	9	High	11:23 AM	6.6	6:04 PM	Set	10:25 F	PM
	9	Low	5:33 PM	0.1				
	9	High	11:40 PM	6.6				
Su	10	Low	5:46 AM	0.5	7:10 AM	Rise	10:29 /	AM 20
	10	High	12:02 PM	6.3	6:04 PM	Set	11:21 F	PM
	10	Low	6:13 PM	0.2				
м	11	High	12:25 AM	6.7	7:09 AM	Rise	11:02 /	AM 28
	11		6:31 AM	0.6	6:05 PM			
	11	High	12:48 PM	6.2				
	11	Low	6:59 PM	0.3				
Tu	12	High	1:16 AM	6.8	7:08 AM	Set	12:19 /	AM 38
	12	Low	7:26 AM	0.7	6:06 PM	Rise	11:38 /	AM
	12	High	1:41 PM	6.0				
	12	Low	7:53 PM	0.4				
W	13	High	2:12 AM	6.9	7:07 AM		1:19 /	
	13	Low	8:31 AM	0.8	6:07 PM	Rise	12:18 F	PM
	13	High	2:40 PM	6.0				
	13	Low	8:55 PM	0.3				
Th	14	High	3:12 AM	7.1	7:07 AM	Set		AM 59
	14	Low	9:42 AM	0.6	6:08 PM	Rise	1:04 F	PM
	14	High	3:43 PM	6.1				
	14	Low	10:01 PM	0.0				

Northern Beaufort County Tides

Tides for Beaufort starting with February 8, 2019.

Day		High	Tide	Height	Sunrise	Moon	Time	% Moon
		/Low	Time	Feet	Sunset			Visible
F	8	Low	4:55 AM	0.1	7:12 AM	Rise	9:28 A	м 7
	8		11:20 AM	7.1	6:02 PM	Set		
	8	Low	5:23 PM	0.0	0.02 FM	360	9.31 FI	•
	8	High	11:33 PM	6.7				
Sa	9	Low	5:32 AM	0.3	7:11 AM	Rise	9:58 A	м 13
	9	High	11:56 AM	6.7	6:03 PM	Set	10:25 P	4
	9	Low	5:59 PM	0.1				
Su	10	u di ala	12.13 44	6 7	7:10 AM	Di	10:29 A	M 20
Su	10		12:13 AM	6.7	6:04 PM			
			6:12 AM	0.5	6:04 PM	Set	11:21 P	*I
	10		12:35 PM	6.5				
	10	Low	6:39 PM	0.2				
M	11	High	12:58 AM	6.8	7:09 AM	Rise	11:01 A	M 28
	11	Low	6:57 AM	0.7	6:05 PM			
	11	High	1:21 PM	6.4				
	11	Low	7:25 PM	0.3				
Tu	12	U i ab	1:49 AM	7.0	7:08 AM	Fo+	12:19 A	м 38
I u	12	High Low			6:06 PM		11:37 A	
			7:52 AM	0.8	6:06 PM	Rise	11:3/ A	*I
	12	High	2:14 PM	6.2				
	12	Low	8:19 PM	0.4				
W	13	High	2:45 AM	7.1	7:07 AM	Set	1:19 A	M 48
	13	Low	8:57 AM	0.9	6:07 PM	Rise	12:17 P	4
	13	High	3:13 PM	6.2				
	13	Low	9:21 PM	0.3				
Th	14	High	3:45 AM	7.3	7:06 AM	Set	2:21 A	и 59
	14		10:08 AM	0.7	6:07 PM	Rise		
	14		4:16 PM	6.3	3.07 FM	NISC	1.04 FI	•
	14	Low	10:27 PM	0.0				
	14	LOW	10:27 PM	0.0				



A total of 128 individual King Tides (≥ 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.

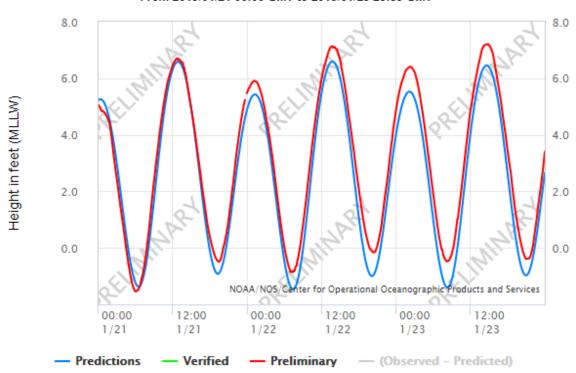
2019 Predicted King Tides

- 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
January 21	AM	Yes	Yes	6.6	6.7	0.1
January 22	AM	Yes	Yes	6.6	7.1	0.5
January 23	AM	No	Yes	6.5	7.2	0.7

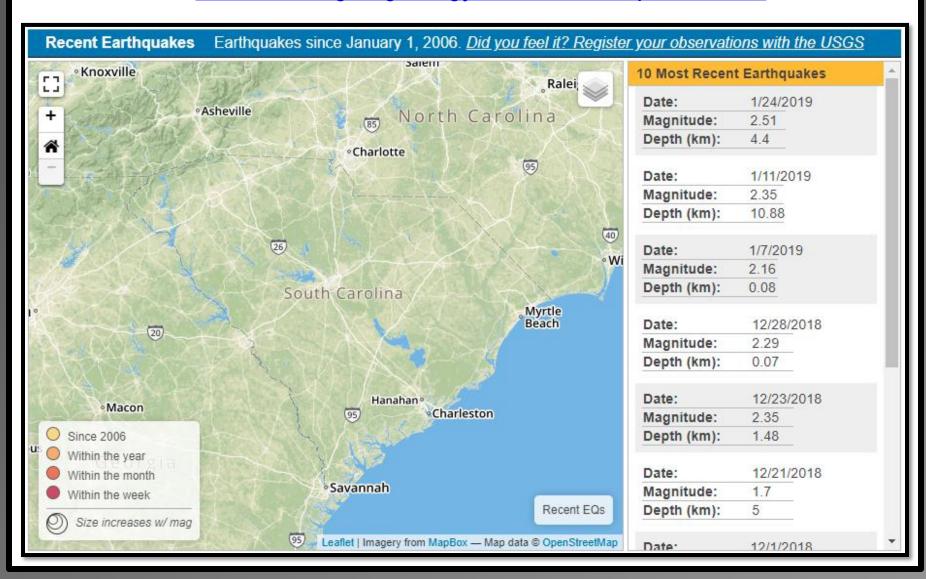
₩ Summary of January 2019 South Carolina King Tides

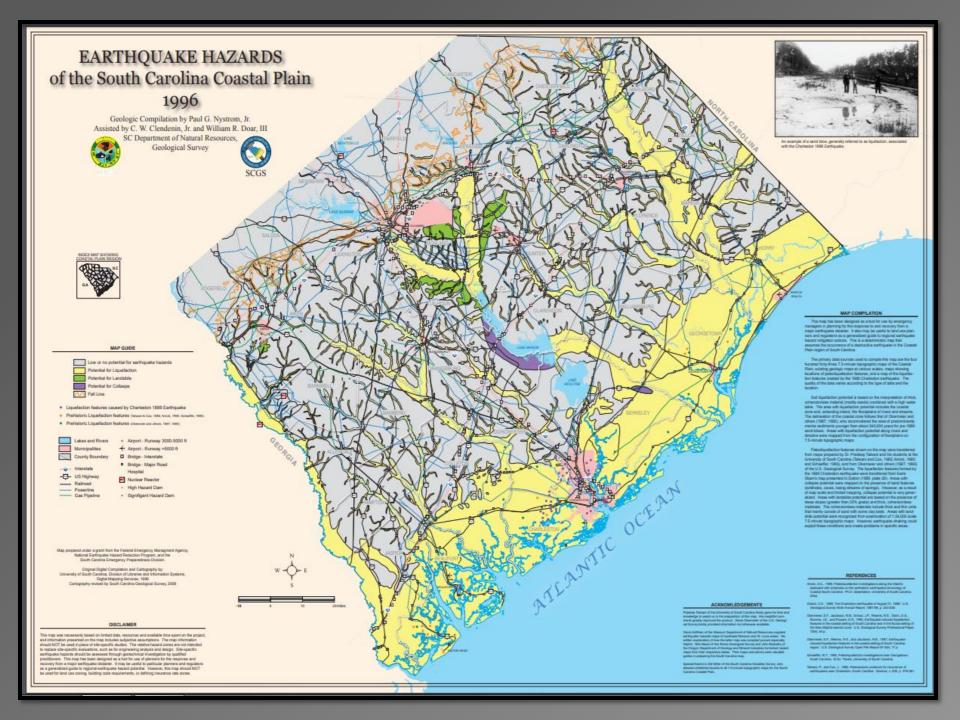
NOAA/NOS/CO-OPS
Observed Water Levels at 8665530, Charleston, Cooper River Entrance SC
From 2019/01/21 00:00 GMT to 2019/01/23 23:59 GMT



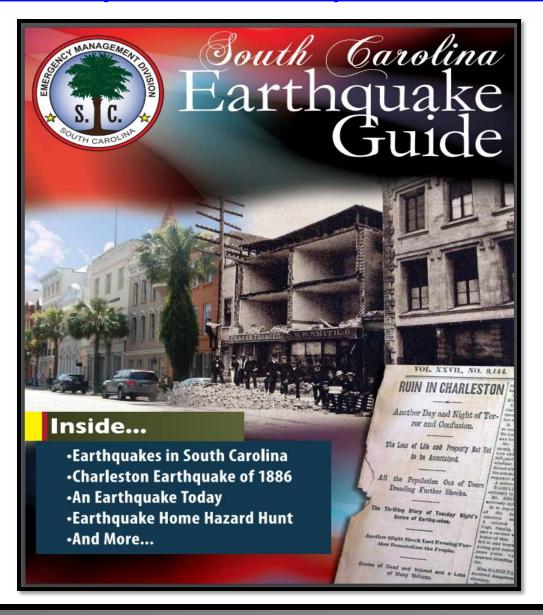
South Carolina Earthquakes within the Week

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



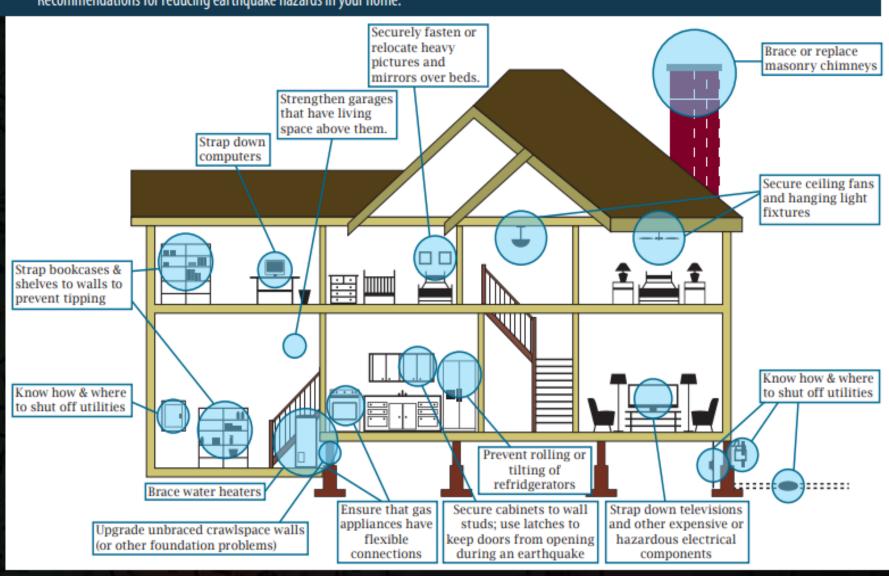


http://scearthquakes.cofc.edu/pdf/EQGuide2012.pdf



Earthquake Home Hazard Hunt

Recommendations for reducing earthquake hazards in your home.

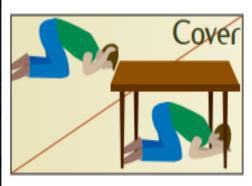


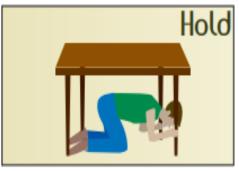
When the Ground Moves



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.

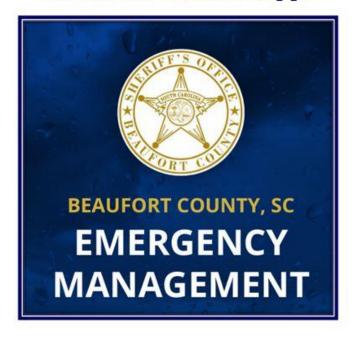
When in a **STADIUM OR THEATER**, stay in your seat, get below the level of the back of the seat and cover your head and neck with your arms.

SMART 911 Now Active in Beaufort County

Smart-911 is 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.



Check Out Our New App!



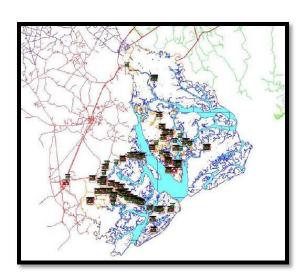
The Beaufort County Sheriff's Office Emergency Management Division has just released its very own app. This app allows you to make and update your plan for emergencies, provides you with information for hazardous weather, what to pack in case of an emergency and so much more! Within the app, is an EvacMap & Shelters icon that will show you where the Hospitals, Fire Stations, EMS Stations, Law Enforcement Stations and even Emergency Shelters are located. This map also allows you to see the storm surge zones for Beaufort County and most importantly, the evacuation routes to follow in case of an evacuation.

Download it today for FREE in the Apple App Store for IPhone and Android Users

Beaufort County Emergency Management App

- A live view of all traffic cameras in Beaufort County are now available and can be viewed on the Emergency Management App.
- These cameras can be selected from the layer menu located in the top left corner.







REPORT SUSPICIOUS ACTIVITY to local authorities.

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



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 manmade through preparation, planning and training.

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