

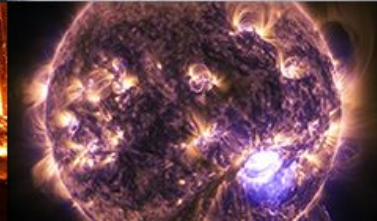
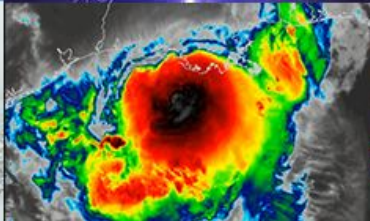
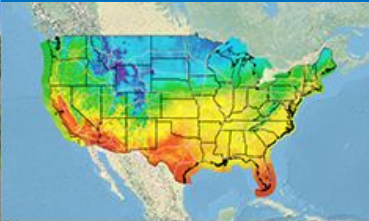


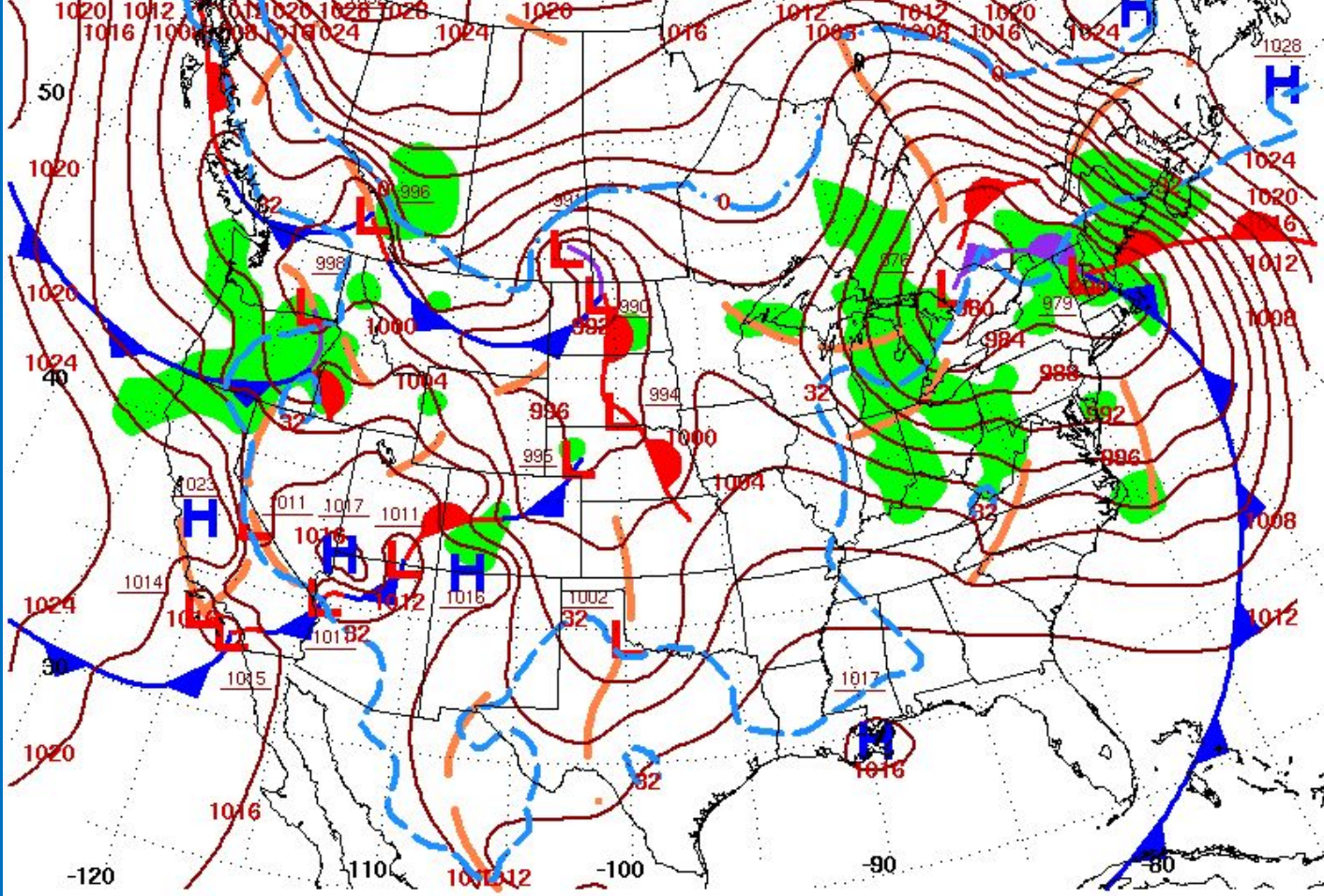
**NATIONAL  
WEATHER  
SERVICE**

# Review of the January 9th 2024 Storm System

April 30, 2024

Thomas Winesett NWS Greenville-Spartanburg, SC





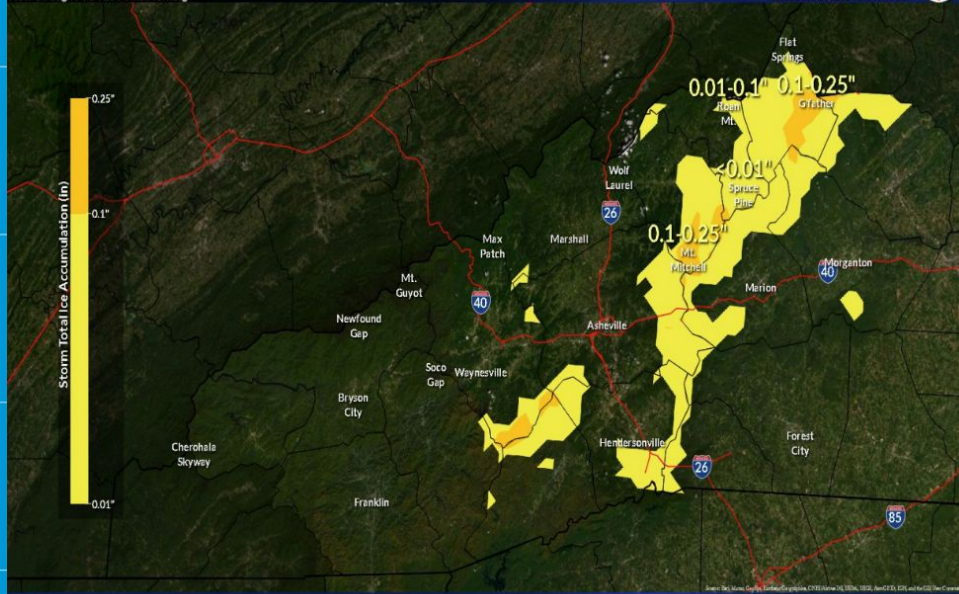
Surface Weather Map at 7:00 A.M. E.S.T.

# Freezing Rain

## Remaining Ice Accumulations

Now through 7 AM EST This Morning

Weather Forecast Office  
Greenville-Spartanburg  
Issued Jan 09, 2024 5:19 AM EST



## Winter Weather Advisory

Remains In Effect Through 7 AM EST Today

Weather Forecast Office  
Greenville-Spartanburg  
Issued Jan 09, 2024 4:55 AM EST





# Freezing Rain - Mt. Mitchell



# Freezing Rain - Little Switzerland



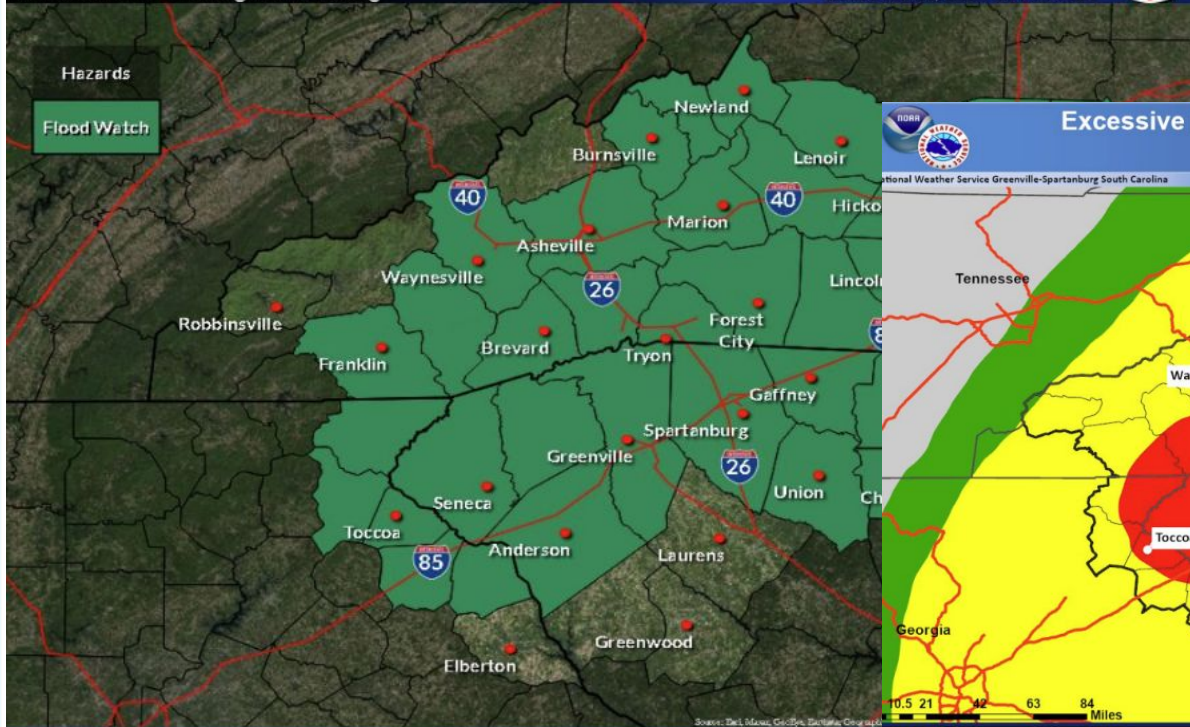
# Flash Flood Potential

## Flood Watch

Remains In Effect Through This Evening

Weather Forecast Office  
Greenville-Spartanburg

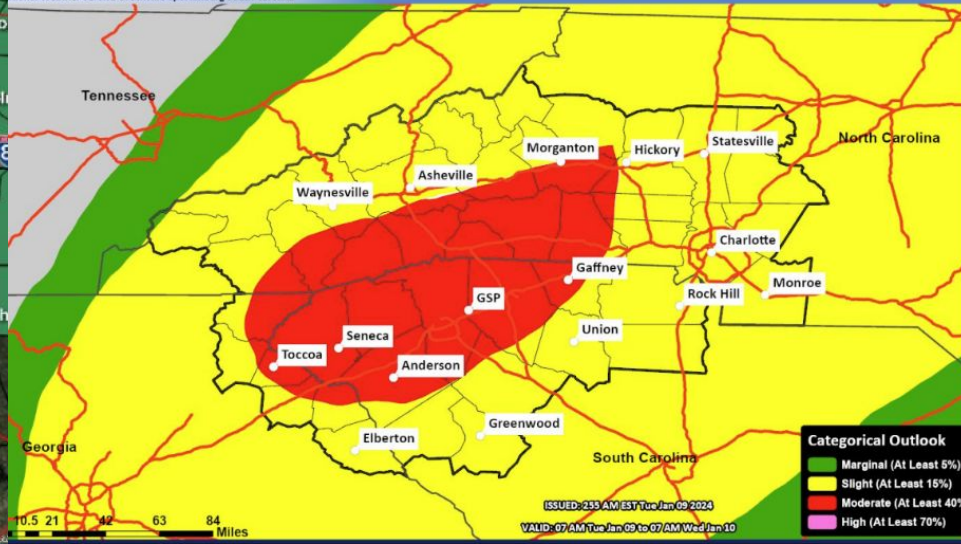
Issued Jan 09, 2024 4:57 AM EST



## Excessive Rainfall Outlook for Today and Tonight



National Weather Service Greenville-Spartanburg South Carolina



Categorical Outlook	
Green	Marginal (At Least 5%)
Yellow	Slight (At Least 15%)
Red	Moderate (At Least 40%)
Pink	High (At Least 70%)

f @NWSGSP

f Facebook.com/NWSGSP

@NWSGSP

Weather.gov/GSP

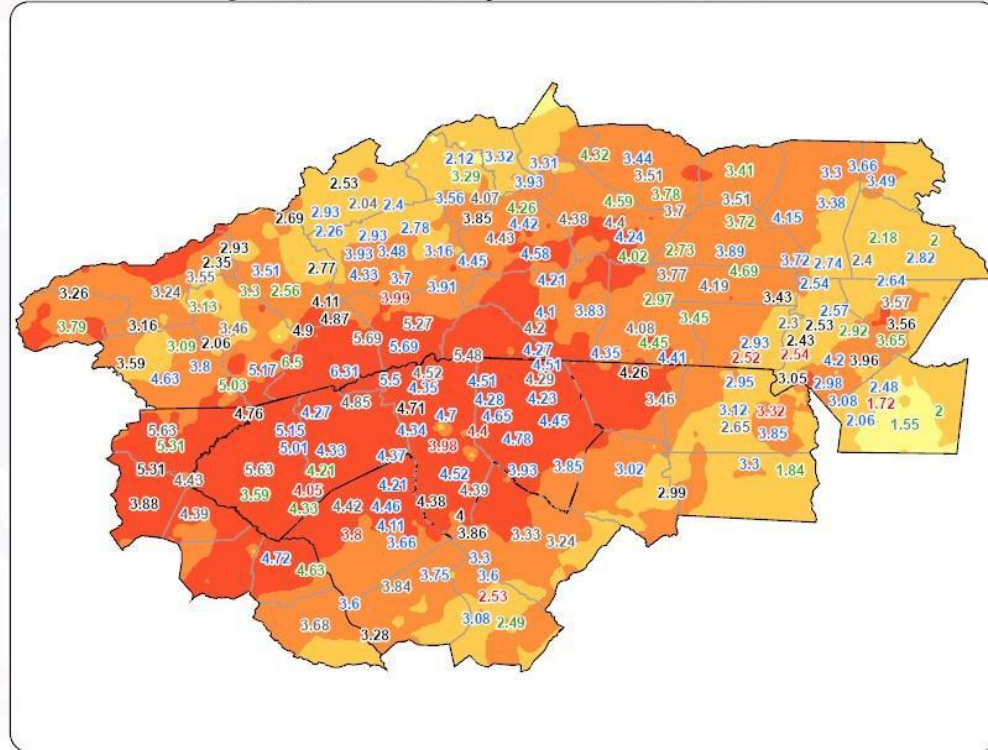




# National Weather Service Greenville-Spartanburg South Carolina January 9th, 2024 Precipitation



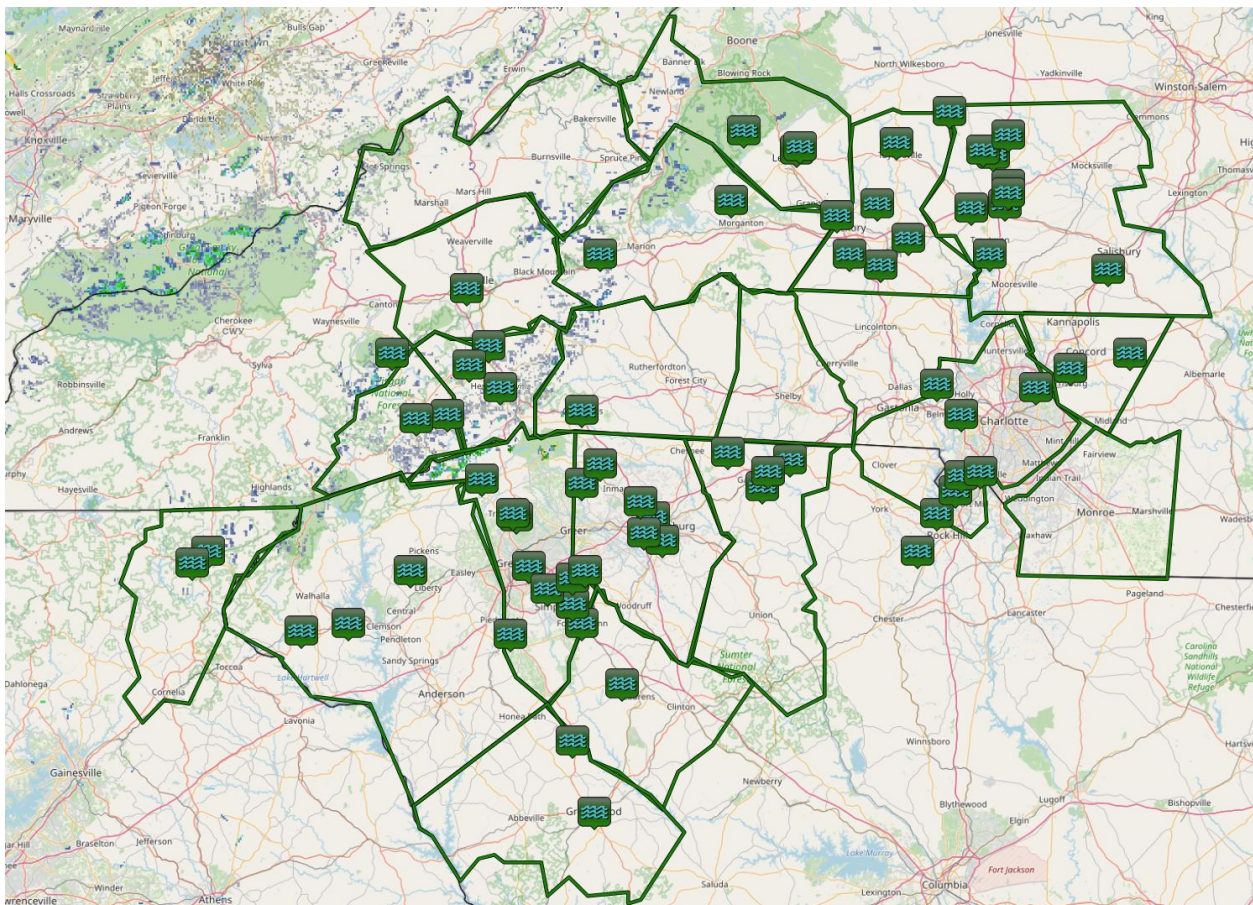
## Precipitation (In)



This map is an interpolation of actual reported values, but should be considered an estimation only. Not all reports used in the analysis will be displayed due to space constraints. Reports are precipitation through the above mentioned period.

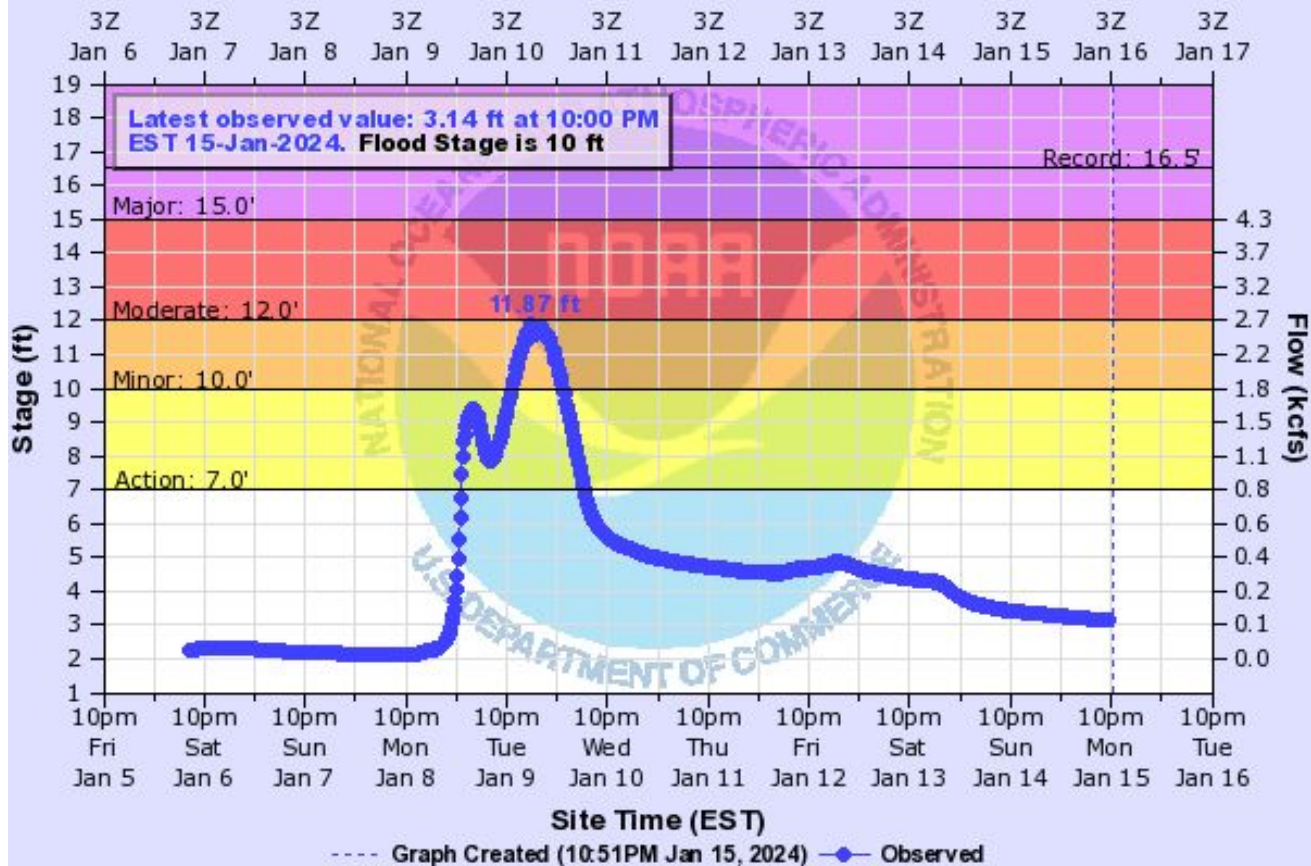


# Flash Flood Warnings and Reports



# BEAVERDAM CREEK ABOVE ELBERTON

Universal Time (UTC)



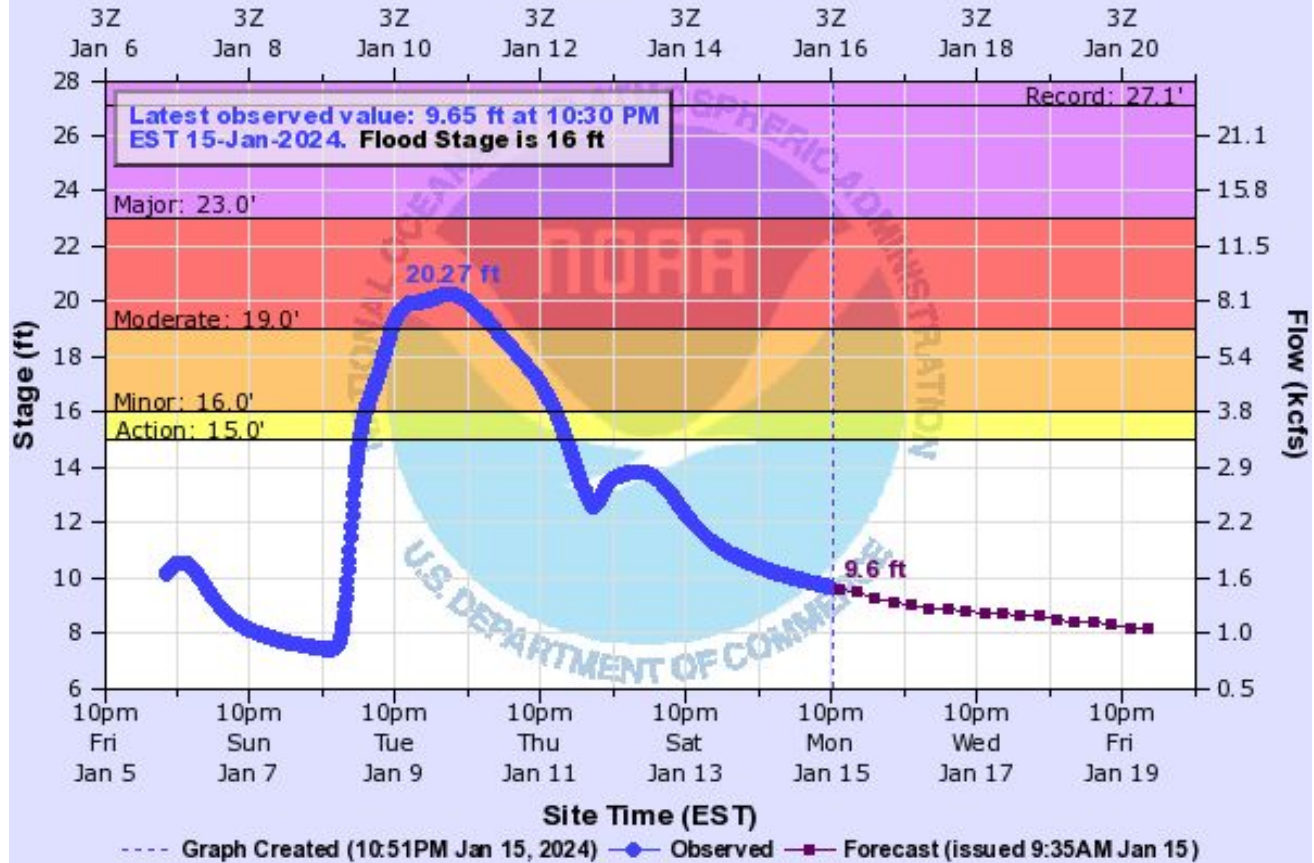
BVDG1(plotting HGIRG) "Gage 0" Datum: 529'

Observations courtesy of US Geological Survey



# FRENCH BROAD RIVER AT BLANTYRE

Universal Time (UTC)

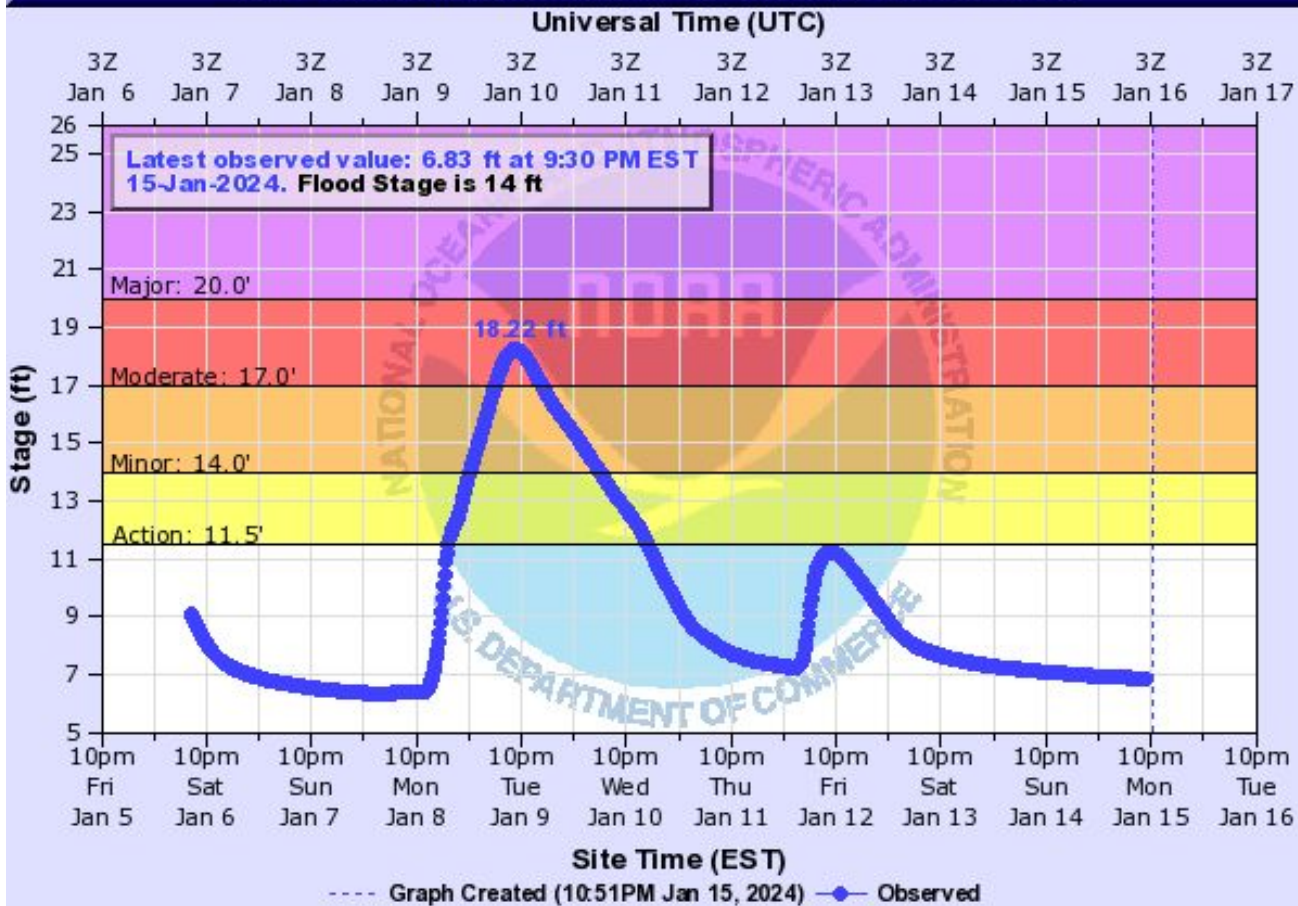


BLAN7(plotting HGIRG) "Gage 0" Datum: 2060.32'

Observations courtesy of US Geological Survey



# MUD CREEK (NC) AT N MAIN ST 1 N HENDERSONVILLE



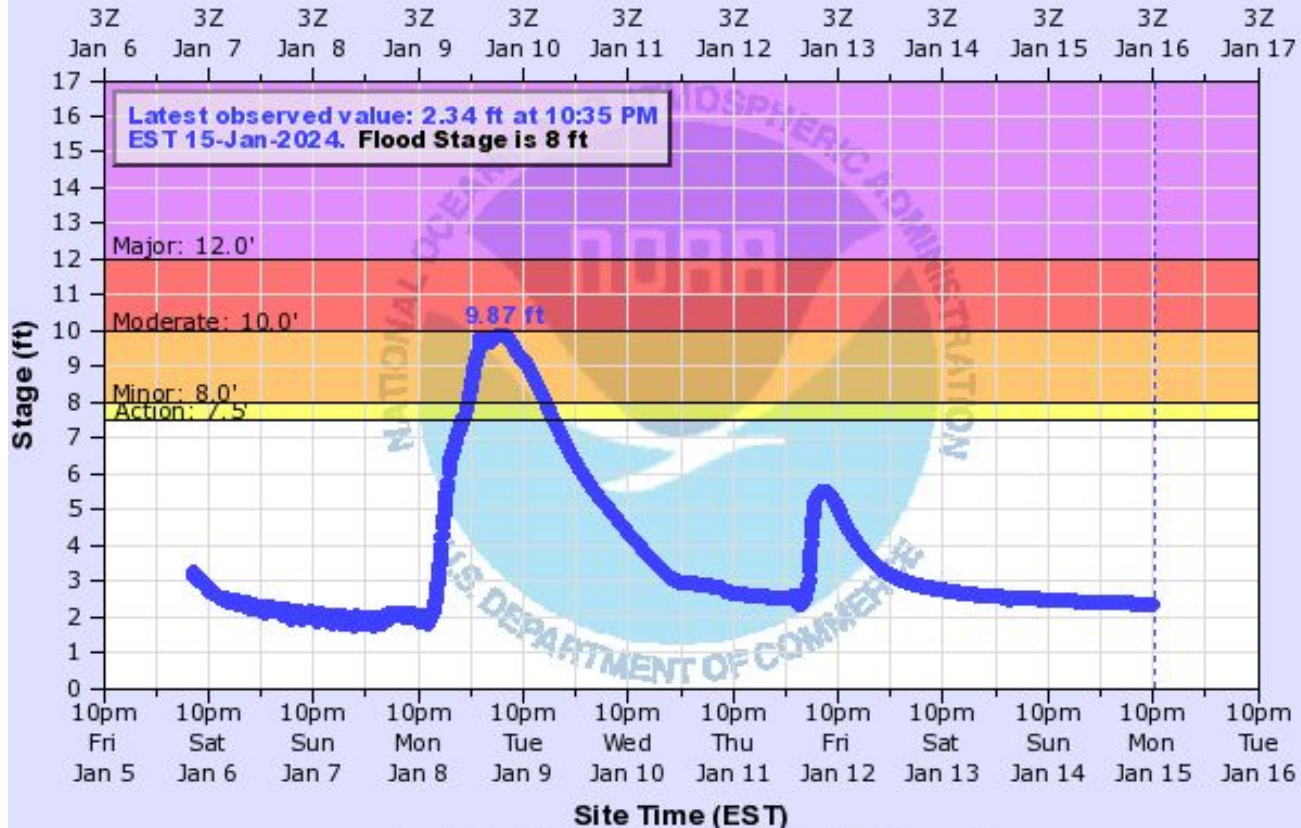
MNMN7(plotting HGIRG) "Gage 0" Datum: 2061.2'

Observations courtesy of US Geological Survey



# BAT FORK CREEK NEAR HENDERSONVILLE

Universal Time (UTC)



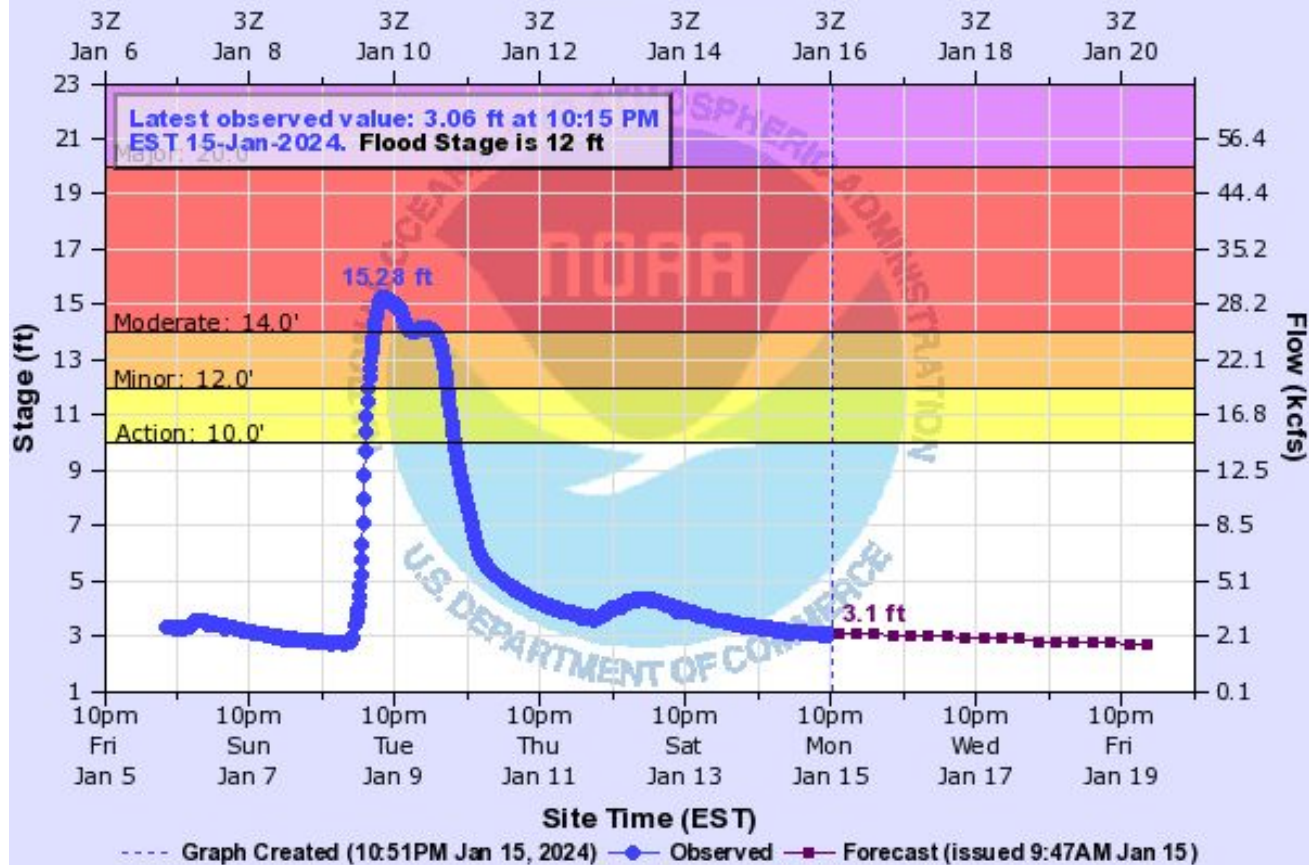
----- Graph Created (10:51PM Jan 15, 2024) ● Observed

BFCN7(plotting HGIRR) "Gage 0" Datum: 2074.43'



# BROAD RIVER IN NC/SC NEAR BOILING SPRINGS

Universal Time (UTC)



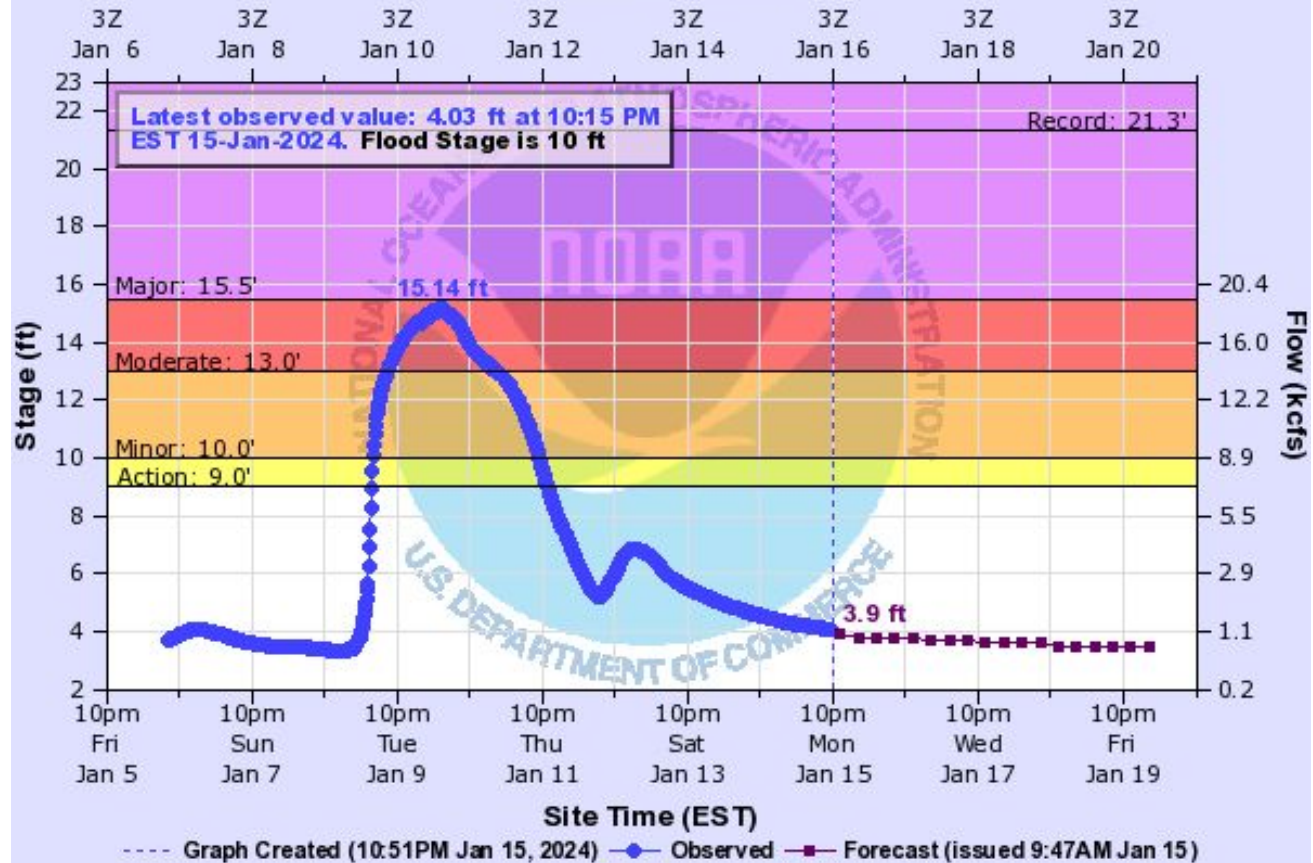
BSPN7(plotting HGIRG) "Gage 0" Datum: 638.33'

Observations courtesy of US Geological Survey



# SOUTH FORK CATAWBA RIVER AT LOWELL

Universal Time (UTC)



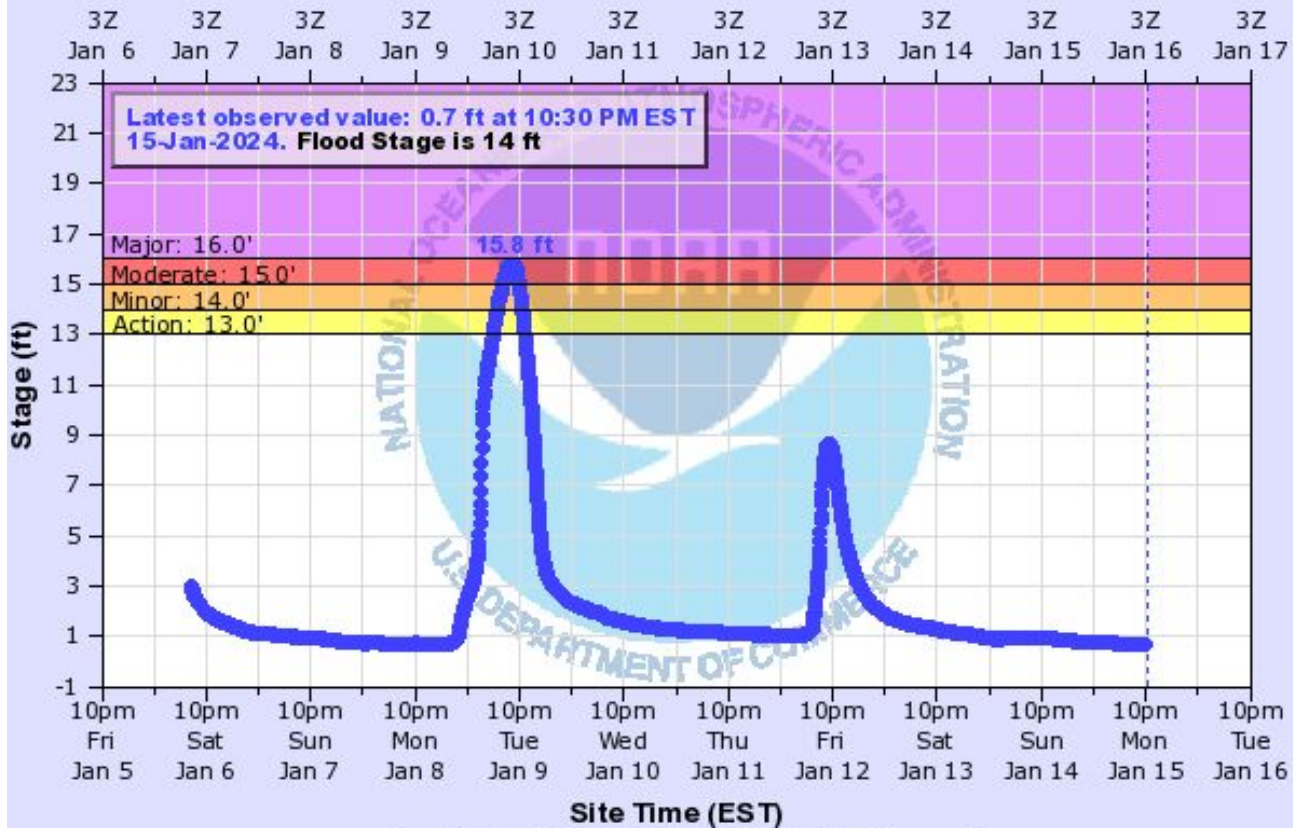
LOWN7(plotting HGIRG) "Gage 0" Datum: 602.28'

Observations courtesy of US Geological Survey



# SUGAR CREEK NC AT ARROWOOD RD

Universal Time (UTC)



AWRN7(plotting HGIRR) "Gage 0" Datum: 560.05'



# Flash Flooding - Lenoir, NC



# Flash Flooding - Fort Mill, SC



# Flash Flooding - Iredell County



# Flash Flooding - Cherryville, NC



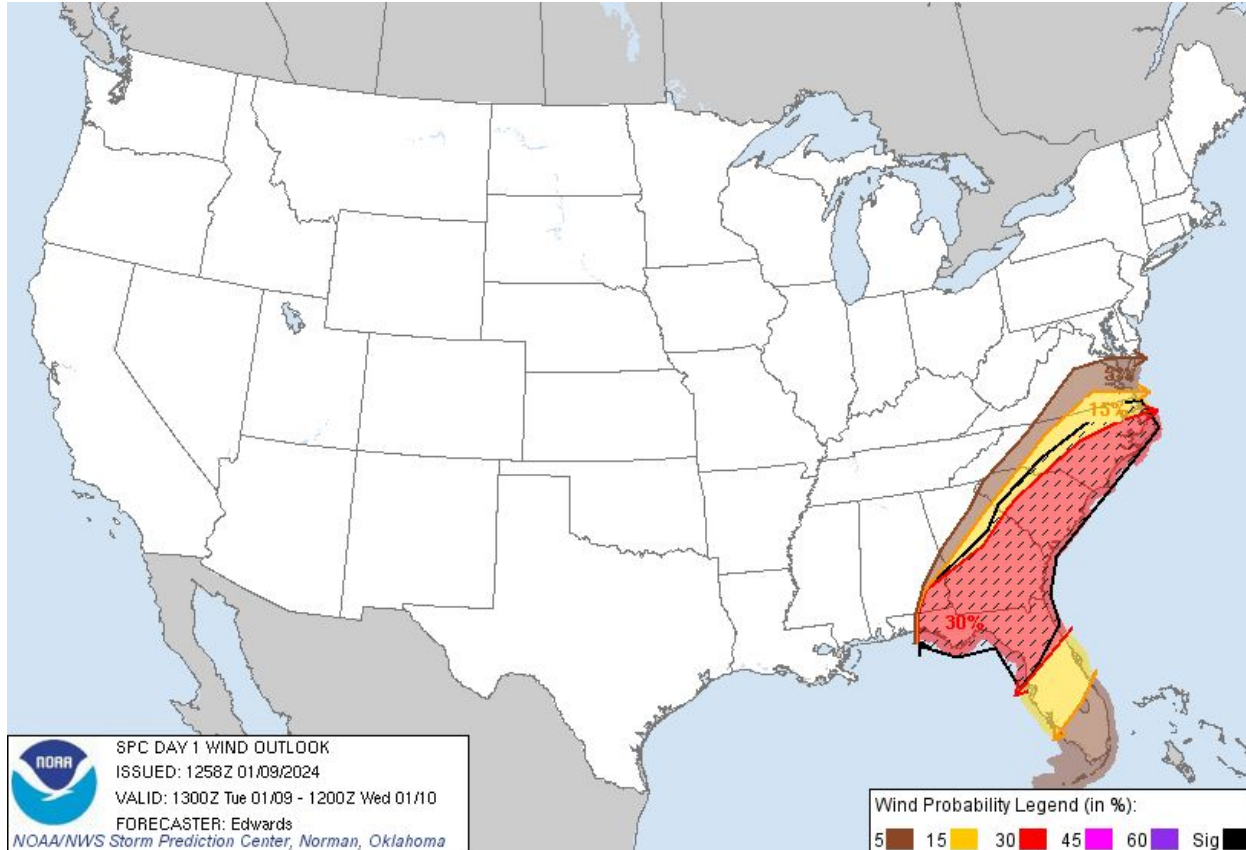


# Flash Flooding - Toby Creek at UNC Charlotte





# SPC Severe Weather Outlook



# Tornado Watch

Valid Until  
6:00 PM EST Tuesday  
January 9, 2024

## Threat Information



### TORNADOES

A few Tornadoes  
Likely



### HAIL

Isolated Hail Up To  
Quarter Size Possible



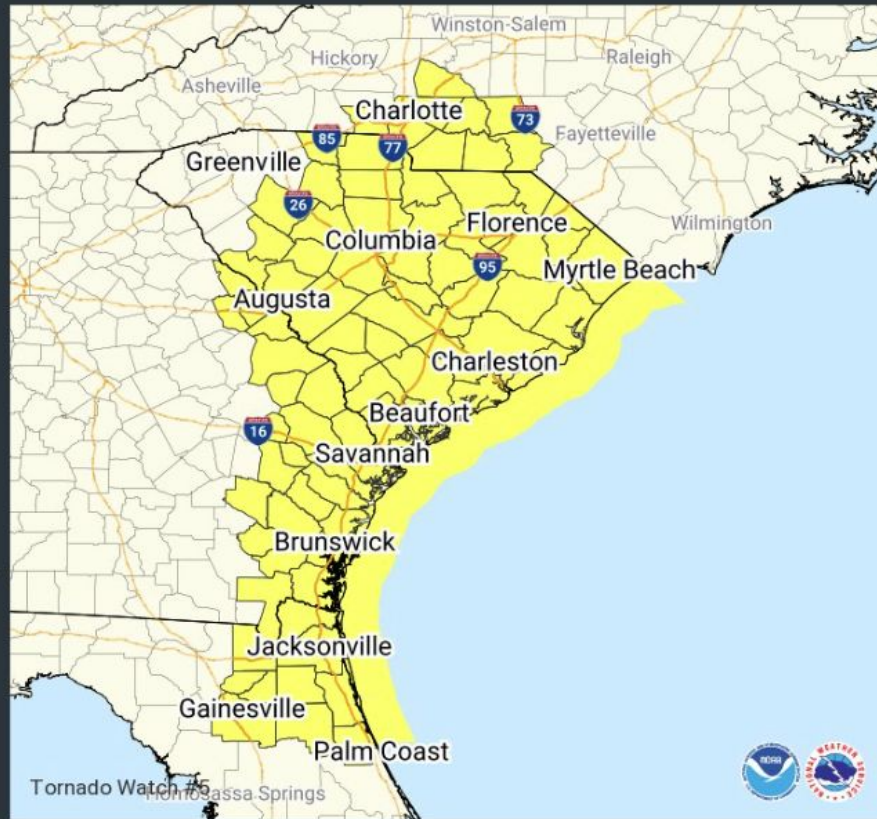
### WIND

Widespread Gusts  
Up To 75 MPH Likely

## Potential Exposure



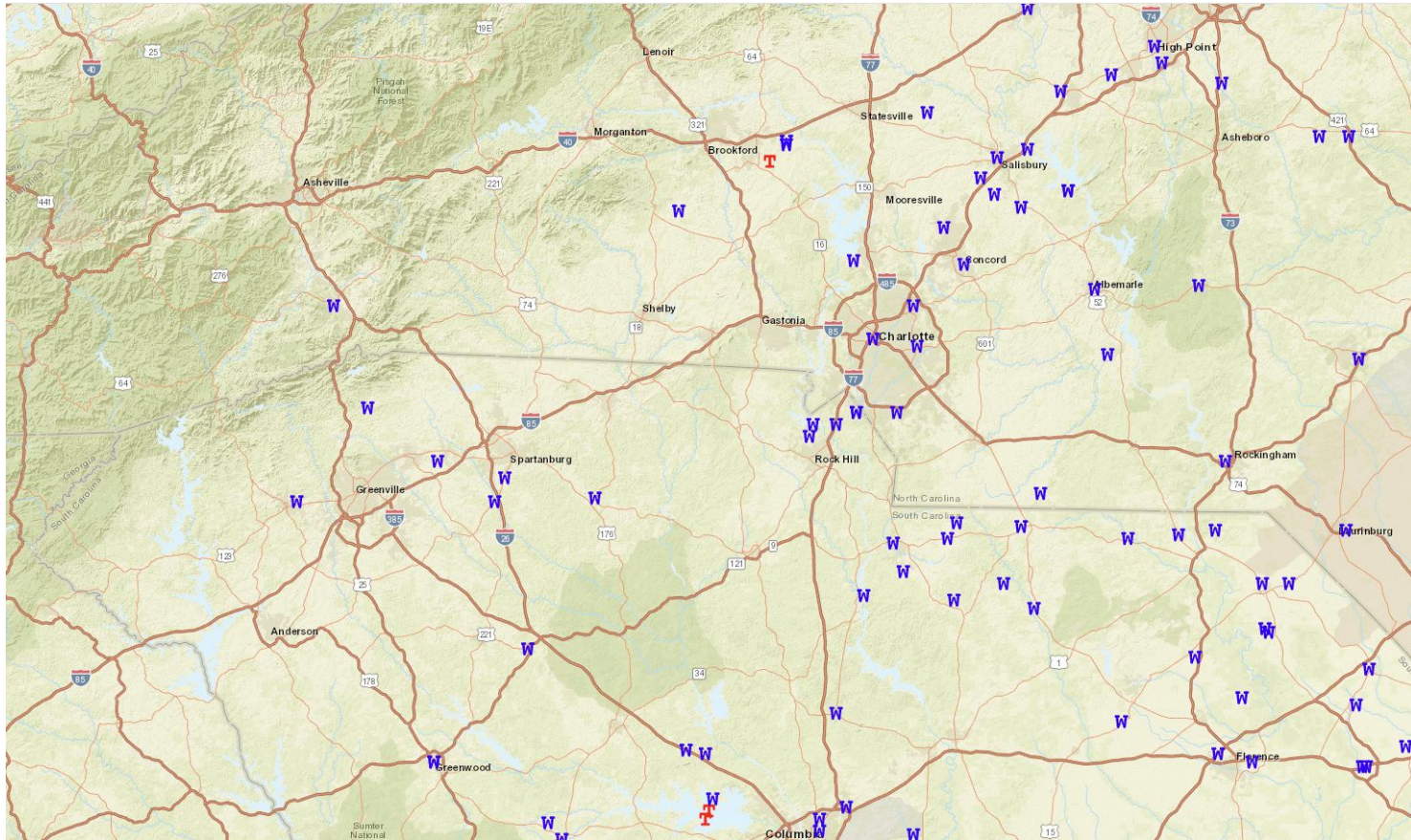
Population: 9,411,712  
Schools: 2190  
Hospitals: 184



# Radar Loop



# Severe Weather Reports



# Claremont Tornado

## 9 Jan 2024 Claremont, NC Tornado Path



Category	Peak Wind Speed	Damage
EF0	65-85 mph	Minor
EF1	86-110 mph	Moderate
EF2	111-135 mph	Strong
EF3	136-165 mph	Severe
EF4	166-200 mph	Devastating
EF5	< 200 mph	Incredible

- Touched down at 12:27 PM EST
- EF1 with estimated peak winds of 110 mph
- 9 mile long damage path
- 250 yards wide
- 1 fatality, 4 injuries





# Damage Pictures

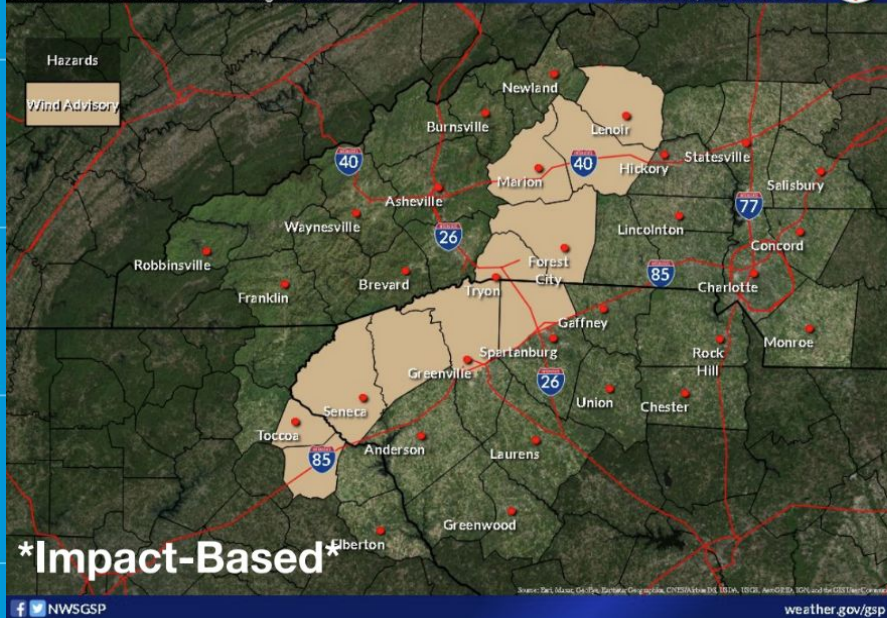


# Non-Thunderstorm Wind

## Wind Advisory

Remains In Effect From 10 AM Through 10 PM EST Today

Weather Forecast Office  
Greenville-Spartanburg  
Issued Jan 09, 2024 4:44 AM EST



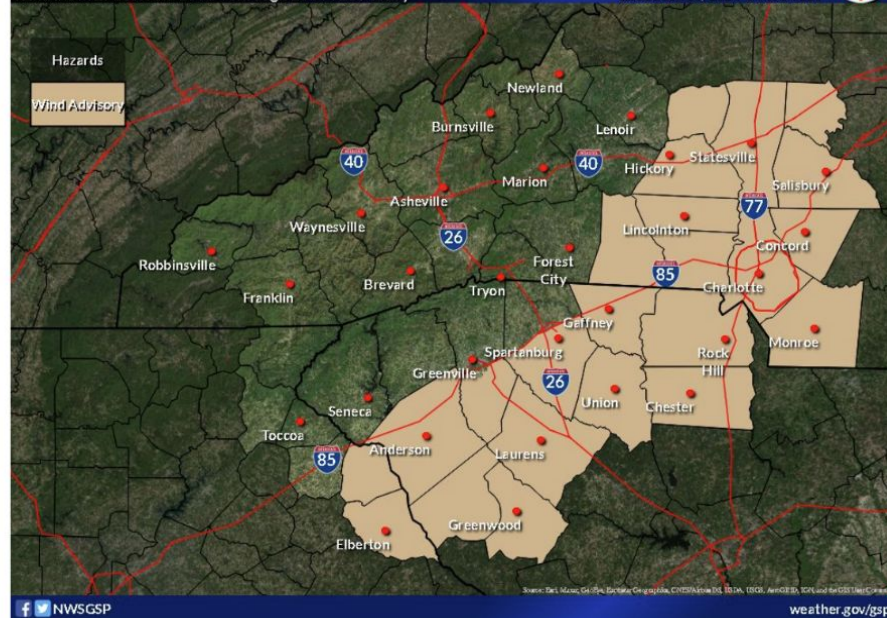
f NWSGSP

weather.gov/gsp

## Wind Advisory

Remains In Effect From 10 AM Through 10 PM EST Today

Weather Forecast Office  
Greenville-Spartanburg  
Issued Jan 09, 2024 4:44 AM EST



f NWSGSP

weather.gov/gsp



# Non-Thunderstorm Wind

