April 1861
Charleston Board of Health Daily Weather Observations

from the “remarks” column:
April 12-“Rain most of the day. Bombardment of Sumter!”
April 13-“Cloudless day. Surrender of Fort Sumter!”
April 14-“Bright and cloudless Sabbath, Evacuation of F Sumter!”
SC State Climatology Office Team

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What Is A State Climatology Office?

Promote climate and weather awareness and knowledge through the development and delivery of science-based climate services and tools on a local and state level.
Fort Sumter, April 1861

April 12 – Rain most of the day, Bombardment of Sumter.
April 13 – Cloudless Day, Surrender of Sumter.
April 14 – Bright and cloudless Sabbath, Evacuation of Sumter.
Climatological Data Services

- Rainfall data and radar imagery for reconstruction of an automobile accident.
- Low temperatures for North Charleston to determine current chill hours for plants.
- Lightning data and strike confirmation for damage to equipment at Columbia Metro Airport.
- Media interview about the warmest and coldest Decembers.
- Hourly barometric pressure to verify SCDHEC water level data from ground well sensors.
- Appear in court and have been deposed to speak about conditions for litigation purposes.
Databases and Tools

https://www.dnr.sc.gov/climate/sco/hurricanes/
Databases and Tools

Min Temp
18°F
Max Precip
4.5 inches
Max Snow
12.3 inches

https://www.dnr.sc.gov/climate/scoscwinterweather/

Tree down in Aiken SC. Photo courtesy of WRGB TV.
Freezing rain impacted areas in Hampton SC. Photo courtesy WRGB TV.
Large branches and tree down in Williams SC. Photo courtesy of Taylor Jones.
Outreach and Education
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U.S. Drought Monitor Update for South Carolina

Assessment Period Ending September 19, 2023

This week’s USDM authored by Richard Heim (NOAA), with input from local, state, and federal partners based in South Carolina.

Statewide Condition Summary

What’s New? Addition of abnormally dry (D4) conditions in the Savannah River basin and removal of D0 conditions in Lexington and Richland counties.

What’s Changed? Over the past week, the state received between 0.00” and 2.00”, with localized amounts reaching over 5.00”. Lexington and Richland counties received 3.00” or more inches of rain over the last week, allowing D0 conditions to be removed. D0 conditions were added in Abbeville and McCormick counties, where below normal precipitation over the past 2 months allowed Lake Thurmond water levels to drop to “Drought Level 1” status. The other lakes in the Upper Savannah River basin also have below normal water levels but have higher rain accumulation over the past 2 months.

What’s Next? The forecast through Tuesday morning shows that the potential for rain is highest in the Pee Dee Region, particularly along the coast. Totals will range from 0.50” to 3.00”. Rain totals for the rest of the state will likely be less than 0.25”. Throughout the period, daytime high temperatures will range from the low 70s to the mid 80s. It is likely for abnormally dry (D0) to expand next week.

Statewide Coverage By Category

<table>
<thead>
<tr>
<th>Category</th>
<th>Categorical Coverage This Week</th>
<th>Change Since Last Week</th>
</tr>
</thead>
<tbody>
<tr>
<td>D0 Abnormally Dry</td>
<td>11.5%</td>
<td>+1.66%</td>
</tr>
<tr>
<td>D1 Moderate Drought</td>
<td>3.99%</td>
<td>0.00%</td>
</tr>
<tr>
<td>D2 Severe Drought</td>
<td>0.00%</td>
<td>0.00%</td>
</tr>
<tr>
<td>D3 Extreme Drought</td>
<td>0.00%</td>
<td>0.00%</td>
</tr>
<tr>
<td>D4 Exceptional Drought</td>
<td>0.00%</td>
<td>0.00%</td>
</tr>
</tbody>
</table>

*Plus sign on “Change Since Last Week” indicates expansion of category area, minus sign indicates reduction of category area.

For questions, please contact Eliza York at eliza.york@scdnr.sc.gov. Water Resources Division for the SC Dept of Natural Resources.

https://www.scdrought.com
The Drought Response Committee meets to evaluate conditions and impacts within four Drought Management Areas when needed. It evaluates drought indicators to determine drought status defined by the S.C. Drought Response Act to protect the State’s water resources.

https://www.scdrought.com
Severe Weather Operations and Assessments
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