
APPENDIX F

SOUTH CAROLINA RAINFALL DATA

ADAPTED FROM

**“Precipitation-Frequency Atlas of the United States”
NOAA Atlas 14, Volume 2, Version 2 (draft)
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NOTE: Rainfall data for counties listed were averaged when multiple or no rainfall station data was available.

RETURN PERIOD 24 HOUR STORM EVENT (INCHES)

| County Name | 1 | 2 | 5 | 10 | 25 | 50 | 100 | R Factors |
|--------------------|-----|-----|-----|-----|-----|-----|------|-----------|
| Abbeville | 3.2 | 3.5 | 4.4 | 5.2 | 6.5 | 7.7 | 9.2 | 250 |
| Aiken | 3.2 | 3.7 | 4.6 | 5.3 | 6.5 | 7.4 | 8.4 | 250 |
| Allendale | 3.4 | 3.8 | 5.1 | 6.0 | 7.0 | 7.8 | 8.9 | 300 |
| Anderson | 3.3 | 3.6 | 4.5 | 5.5 | 6.6 | 7.9 | 9.4 | 275 |
| Bamberg | 3.4 | 3.6 | 4.6 | 5.5 | 6.8 | 8.1 | 9.4 | 300 |
| Barnwell | 3.3 | 3.6 | 4.5 | 5.3 | 6.4 | 7.3 | 8.4 | 275 |
| Beaufort | 3.7 | 4.5 | 5.8 | 6.9 | 8.4 | 9.7 | 11.0 | 400 |
| Berkeley (North) | 3.5 | 3.8 | 5.0 | 5.9 | 7.2 | 8.2 | 9.4 | 350 |
| Berkeley (South) | 3.6 | 4.0 | 5.2 | 6.2 | 7.5 | 8.6 | 9.8 | 350 |
| Calhoun | 3.3 | 3.5 | 4.5 | 5.4 | 6.7 | 7.9 | 9.3 | 275 |
| Charleston | 3.8 | 4.3 | 5.5 | 6.6 | 8.0 | 9.2 | 10.4 | 400 |
| Cherokee | 3.0 | 3.7 | 4.7 | 5.4 | 6.4 | 7.3 | 8.1 | 275 |
| Chester | 2.9 | 3.6 | 4.6 | 5.3 | 6.3 | 7.1 | 8.0 | 250 |
| Chesterfield | 3.1 | 3.5 | 4.5 | 5.3 | 6.6 | 7.7 | 9.0 | 275 |
| Clarendon | 3.4 | 3.7 | 4.7 | 5.6 | 7.0 | 8.2 | 9.5 | 300 |
| Colleton (North) | 3.5 | 3.5 | 4.5 | 5.4 | 6.7 | 7.9 | 9.2 | 350 |
| Colleton (South) | 3.6 | 4.0 | 5.2 | 6.1 | 7.5 | 8.6 | 9.7 | 350 |
| Darlington | 3.2 | 3.5 | 4.5 | 5.4 | 6.7 | 8.0 | 9.3 | 300 |
| Dillon | 3.3 | 3.6 | 4.7 | 5.5 | 6.8 | 8.8 | 10.0 | 325 |
| Dorchester (North) | 3.4 | 3.8 | 4.9 | 5.8 | 7.1 | 8.1 | 9.3 | 325 |
| Dorchester (South) | 3.6 | 4.2 | 5.4 | 6.4 | 7.8 | 8.9 | 10.1 | 325 |
| Edgefield | 3.2 | 3.1 | 4.5 | 5.2 | 6.3 | 7.2 | 8.2 | 250 |
| Fairfield | 3.0 | 3.5 | 4.4 | 5.1 | 6.2 | 7.1 | 8.0 | 250 |
| Florence (North) | 3.3 | 3.5 | 4.5 | 5.4 | 6.7 | 7.9 | 9.2 | 325 |
| Florence (South) | 3.3 | 3.7 | 4.7 | 5.6 | 7.0 | 8.2 | 9.6 | 325 |
| Georgetown (East) | 3.6 | 4.6 | 5.9 | 7.0 | 8.5 | 9.8 | 11.1 | 350 |
| Georgetown (West) | 3.6 | 3.9 | 5.1 | 6.0 | 7.4 | 8.4 | 9.6 | 350 |
| Greenville (North) | 4.0 | 4.2 | 5.3 | 6.1 | 7.3 | 8.3 | 9.3 | 300 |
| Greenville (South) | 3.4 | 3.7 | 4.6 | 5.4 | 6.7 | 7.8 | 9.1 | 300 |
| Greenwood | 3.1 | 3.5 | 4.4 | 5.1 | 6.4 | 7.6 | 9.0 | 250 |
| Hampton (North) | 3.4 | 3.8 | 4.9 | 5.8 | 7.1 | 8.2 | 9.3 | 325 |
| Hampton (South) | 3.4 | 4.2 | 5.4 | 6.4 | 7.8 | 9.0 | 10.2 | 325 |
| Horry (North) | 3.4 | 4.1 | 5.3 | 6.3 | 7.9 | 9.3 | 10.8 | 350 |
| Horry (South) | 3.6 | 4.2 | 5.4 | 6.4 | 7.8 | 9.0 | 10.2 | 350 |
| Jasper | 3.5 | 4.2 | 5.4 | 6.4 | 7.8 | 9.0 | 10.2 | 350 |
| Kershaw | 3.1 | 3.5 | 4.4 | 5.1 | 6.2 | 7.1 | 8.1 | 275 |
| Lancaster | 3.0 | 3.5 | 4.4 | 5.2 | 6.2 | 7.0 | 7.9 | 250 |
| Laurens | 3.1 | 3.6 | 4.4 | 5.2 | 6.5 | 7.7 | 9.2 | 250 |
| Lee | 3.2 | 3.5 | 4.5 | 5.4 | 6.7 | 7.9 | 9.3 | 275 |
| Lexington | 3.1 | 3.6 | 4.5 | 5.3 | 6.4 | 7.3 | 8.3 | 250 |
| Marion (North) | 3.3 | 3.7 | 4.8 | 5.7 | 6.9 | 8.0 | 9.1 | 325 |
| Marion (South) | 3.4 | 4.2 | 5.5 | 6.5 | 7.9 | 9.1 | 10.3 | 325 |
| Marlboro | 3.2 | 3.5 | 4.5 | 5.4 | 6.5 | 7.5 | 8.5 | 300 |
| McCormick | 3.2 | 3.5 | 4.4 | 5.2 | 6.4 | 7.5 | 8.9 | 250 |
| Newberry | 3.0 | 3.6 | 4.5 | 5.3 | 6.4 | 7.3 | 8.4 | 250 |
| Oconee (North) | 4.5 | 4.7 | 5.8 | 6.7 | 7.8 | 8.8 | 9.8 | 300 |
| Oconee (South) | 3.5 | 3.8 | 4.7 | 5.5 | 6.6 | 7.6 | 8.6 | 300 |
| Orangeburg (East) | 3.3 | 3.8 | 4.9 | 5.8 | 7.1 | 8.1 | 9.3 | 275 |
| Orangeburg (West) | 3.3 | 3.6 | 4.5 | 5.4 | 6.8 | 8.0 | 9.3 | 275 |
| Pickens (North) | 4.2 | 5.1 | 6.2 | 7.2 | 8.5 | 9.5 | 10.6 | 300 |
| Pickens (South) | 3.7 | 4.1 | 5.0 | 5.8 | 6.9 | 7.8 | 8.8 | 300 |
| Richland | 3.1 | 3.6 | 4.5 | 5.3 | 6.4 | 7.3 | 8.3 | 275 |
| Saluda | 3.4 | 3.6 | 4.5 | 5.2 | 6.3 | 7.2 | 8.2 | 250 |
| Spartanburg (NW) | 3.4 | 4.5 | 5.5 | 6.3 | 7.5 | 8.5 | 9.5 | 300 |
| Spartanburg (NE) | 3.1 | 3.8 | 4.8 | 5.5 | 6.6 | 7.4 | 8.3 | 275 |
| Spartanburg (SE) | 3.1 | 3.6 | 4.5 | 5.5 | 6.4 | 7.8 | 9.3 | 275 |
| Spartanburg (SW) | 3.1 | 3.7 | 4.6 | 5.4 | 6.7 | 7.9 | 9.4 | 275 |
| Sumter | 3.2 | 3.6 | 4.6 | 5.5 | 6.9 | 8.1 | 9.5 | 275 |
| Union | 3.0 | 3.6 | 4.5 | 5.2 | 6.5 | 7.7 | 9.1 | 250 |
| Williamsburg | 3.4 | 4.1 | 5.3 | 6.2 | 7.6 | 8.7 | 9.9 | 325 |
| York | 2.8 | 3.6 | 4.5 | 5.3 | 6.3 | 7.1 | 7.9 | 250 |