US Army Corps of Engineers
BUILDING STRONG

# Hurricane IDALIA Adv. #9

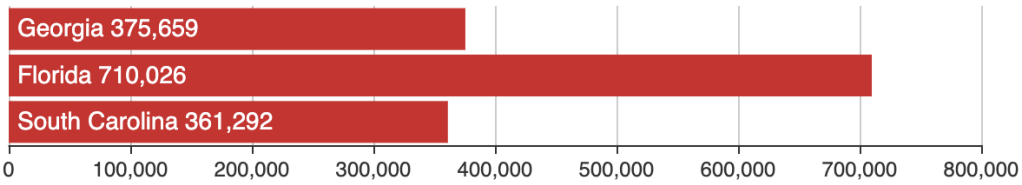
For Planning Purposes Only!

| WASHINGTON, DC | CHICAGO | LOS ANGELES |
|---|---|---|
| 17:50:41 | 16:50:41 | 14:50:41 |
| 28 Aug 2023 | 28 Aug 2023 | 28 Aug 2023 |

Updated as of 28 Aug 2023 (4:50 PM Central Daylight Time)

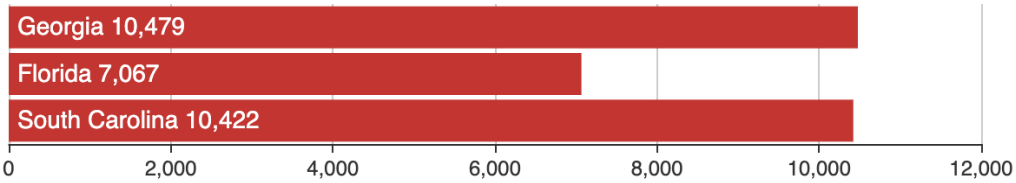
## Debris

1.4M
cu. yd.



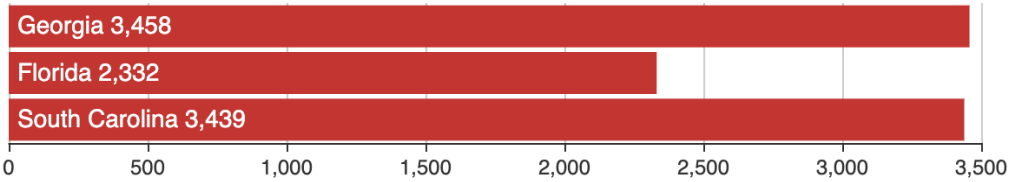

## Est. Temp. Roofing

28K
units



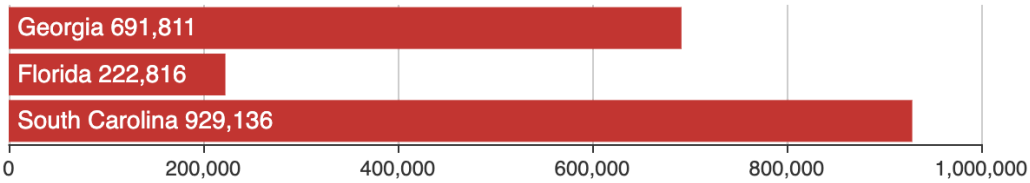

## Act. Temp. Roofing

9.2K
units



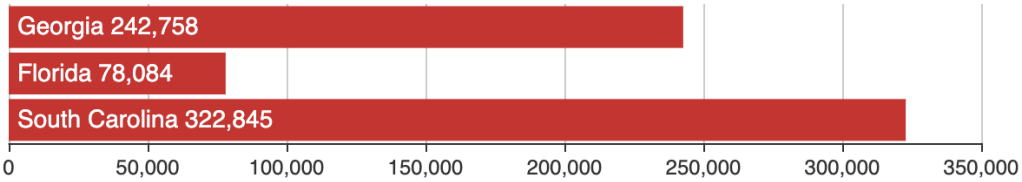

## Population

1.8M
people



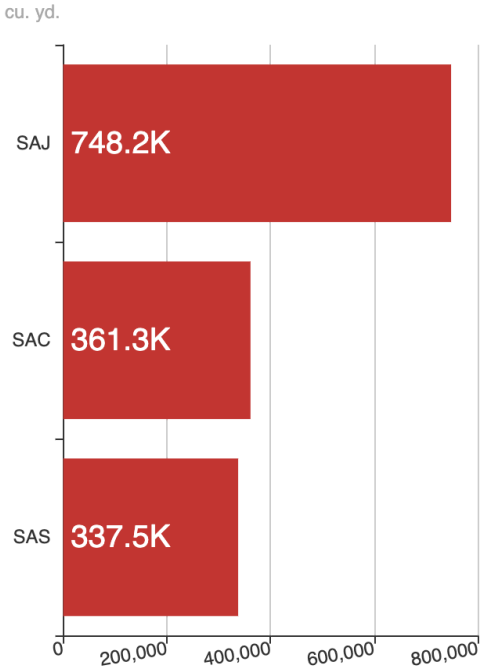

## Households

643.7K
households

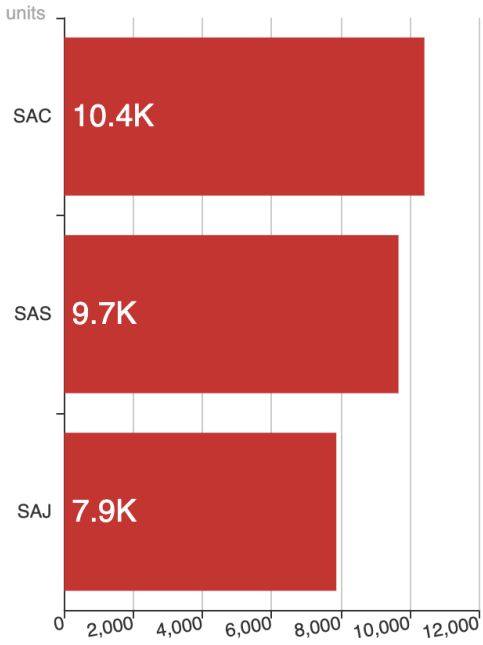


## Mission Model Summary

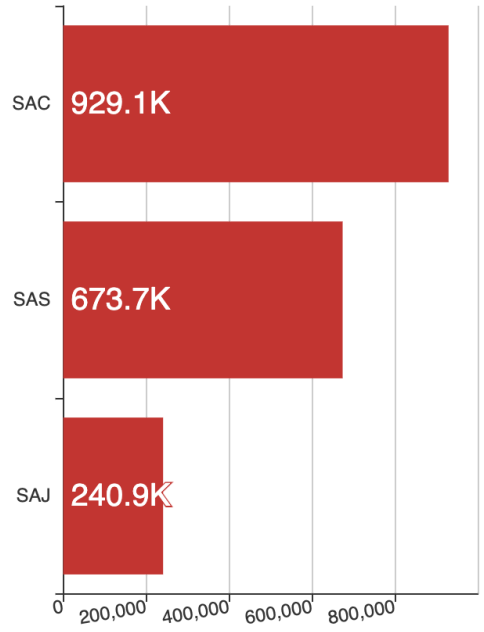
### Debris By USACE District



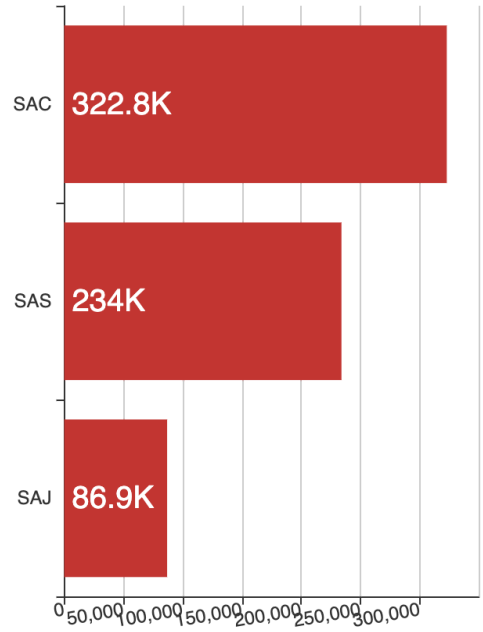

### Est. Temp. Roofing By USACE District




### Population By USACE District




### Households By USACE District



# [2022] Critical Infrastructure Summary

## Total

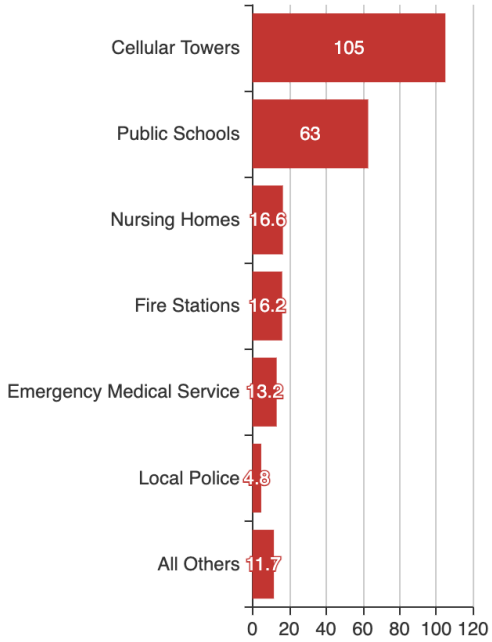
1.1K
critical facilities

## Power Requirements

24.9
MW

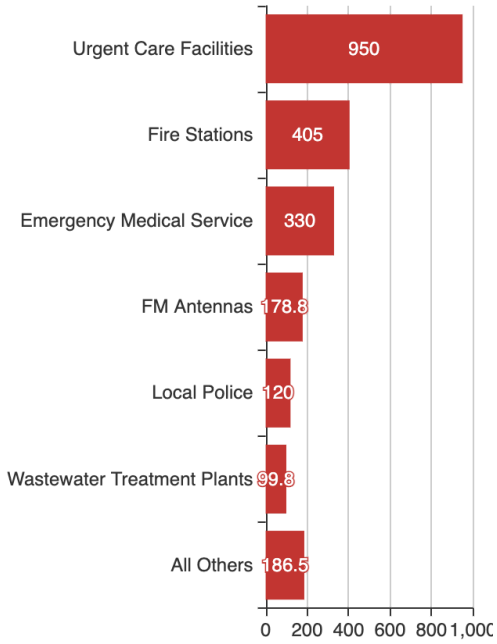
## Generators

By Generator Count



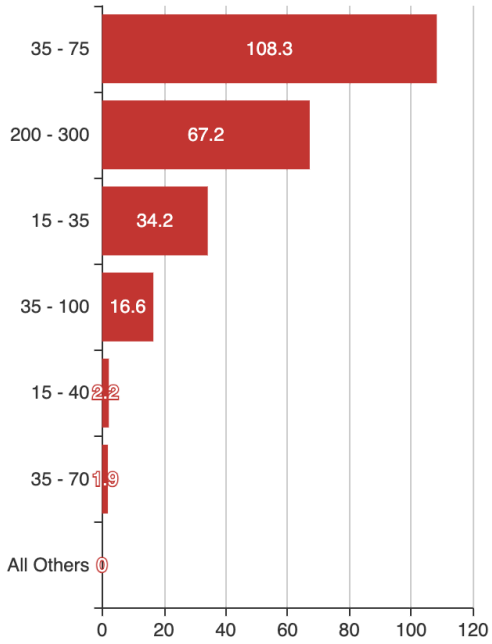

## Generators

By Power Requirement



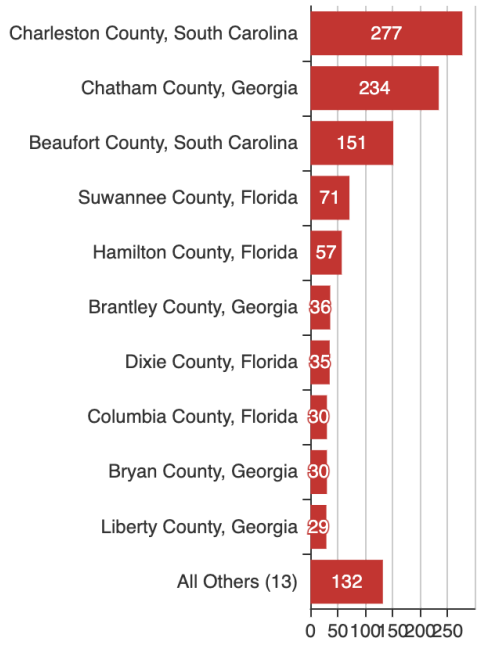

## Generators

By Range



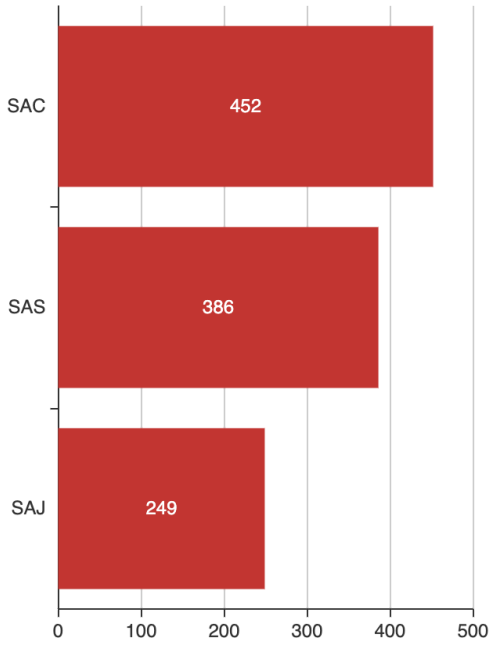
## Structures

By County



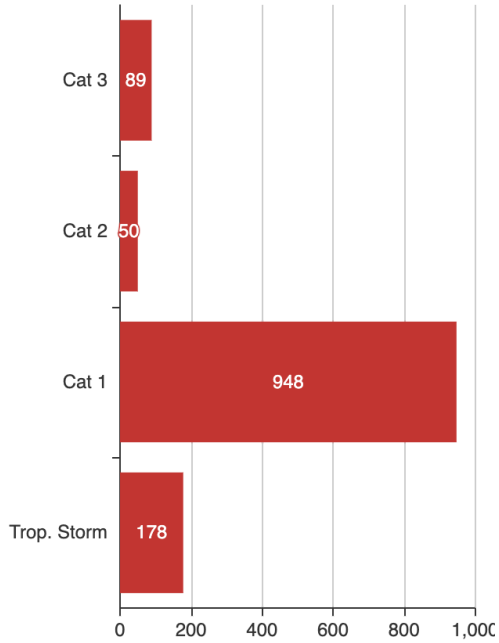

## Structures

By USACE District

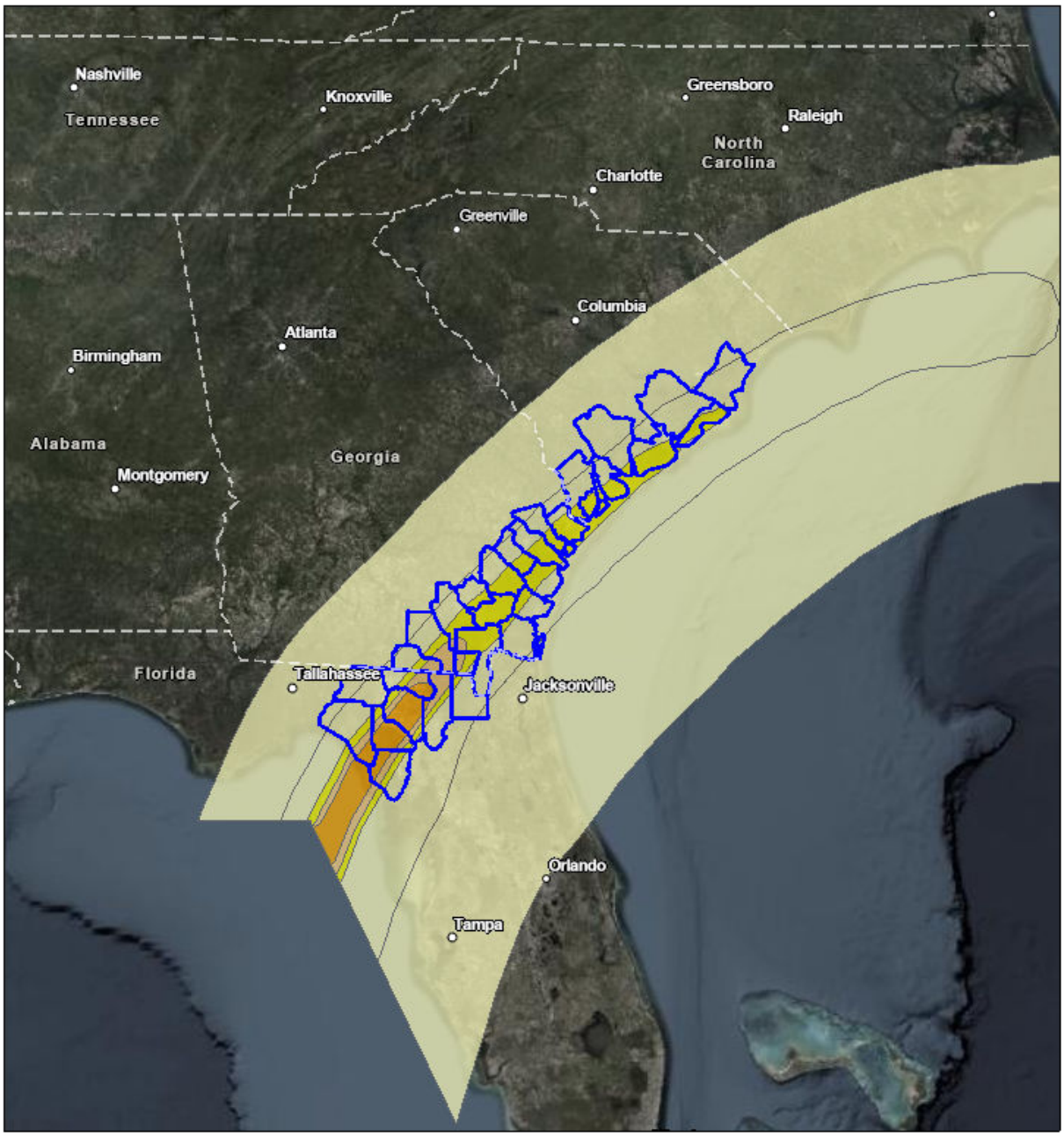



## Structures

By Intensity



# Letter ANSI A Portrait




Counties
Mission Model Swaths
TS
Cat 1
Cat 2
Cat 3

1:7,045,849

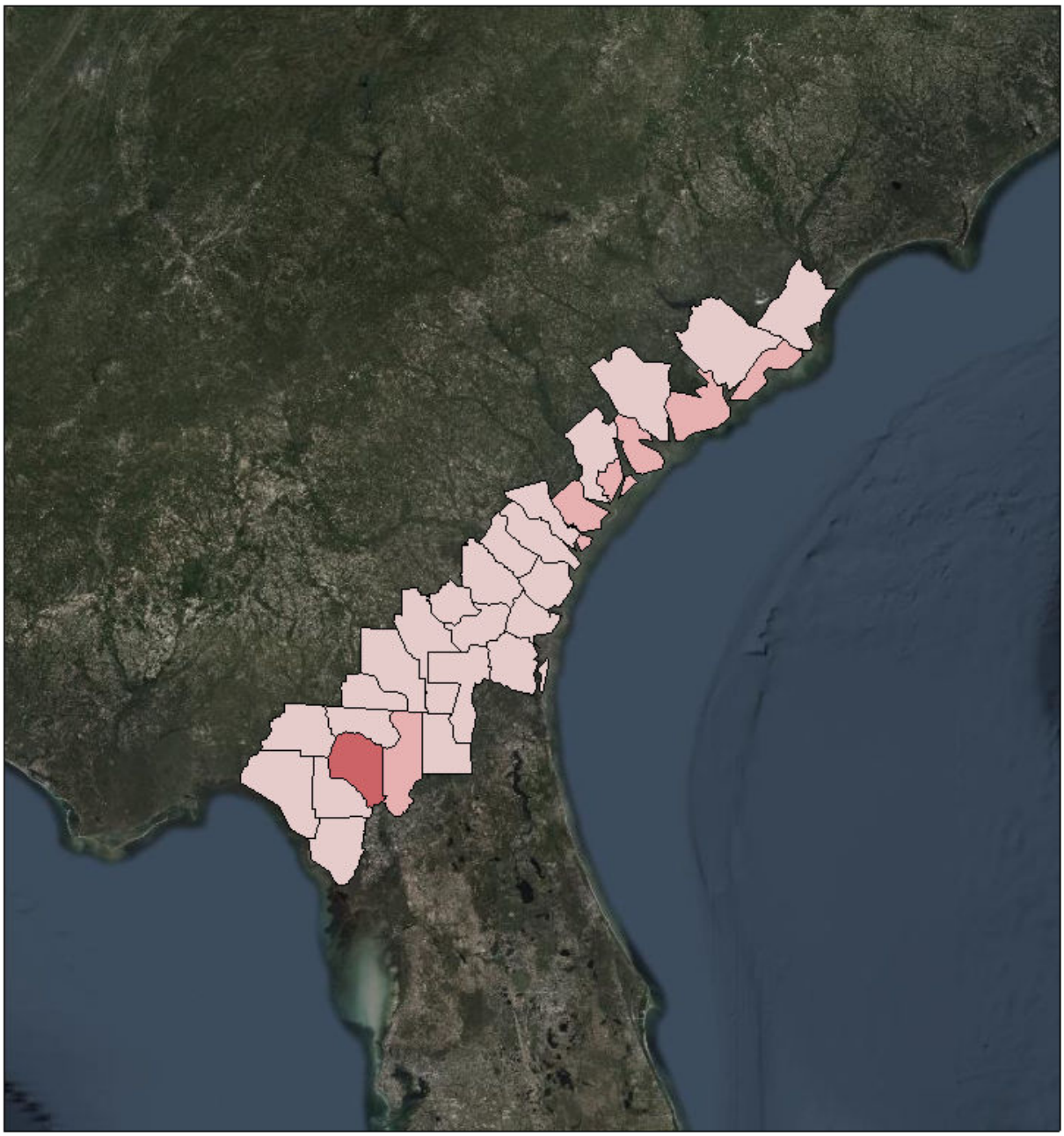
0 50 100 200 mi

0 80 160 320 km

Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community, Esri, HERE, Garmin, FAO, NOAA, USGS, EPA

Created by SimSuite

# Debris



Debris

< 100,000 cubic yards

100,000 - 249,000 cubic yards

250,000 - 499,999 cubic yards

1:5,135,926

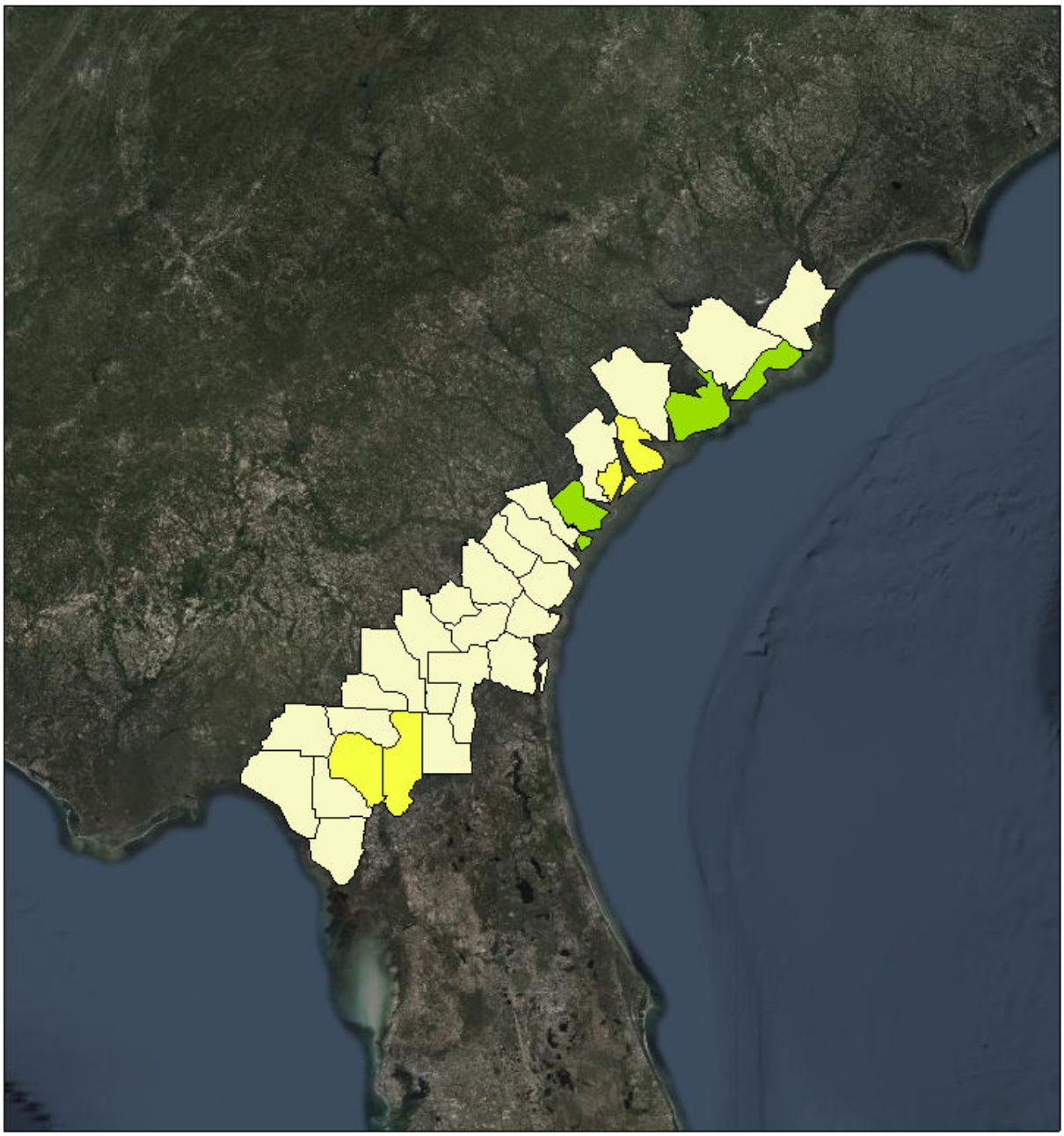
0 37.5 75 150 mi

0 60 120 240 km

Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

Created by SimSuite

# Est. Temp. Roofing



1:5,135,926

0 37.5 75 150 mi

0 60 120 240 km

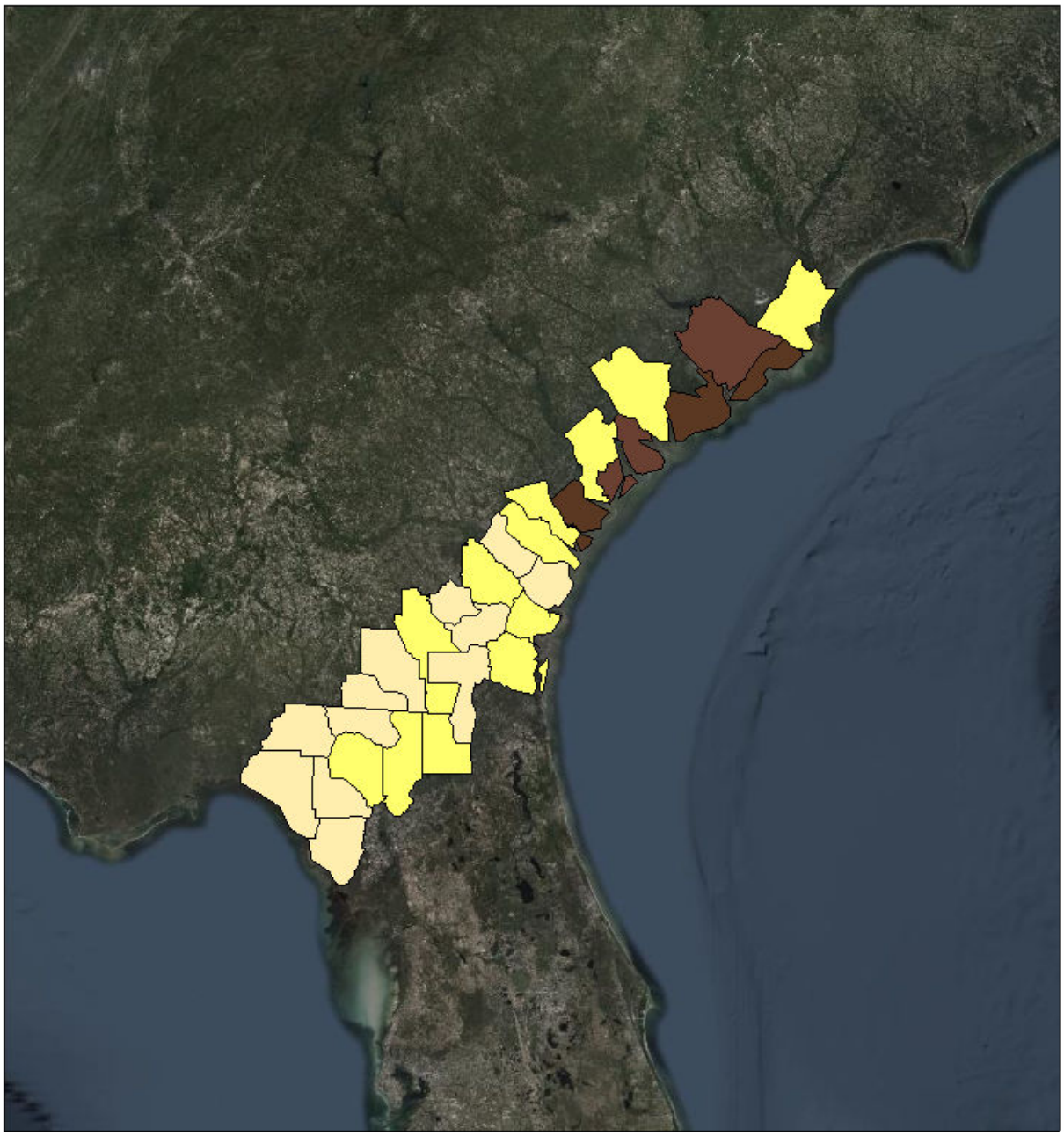
Est. Temp. Roofing

- < 1000 units
- 1000 - 4999 units
- 5000 - 9999 units

Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

Created by SimSuite

# Population



1:5,135,926

0 37.5 75 150 mi

0 60 120 240 km

Population

< 25,000 persons

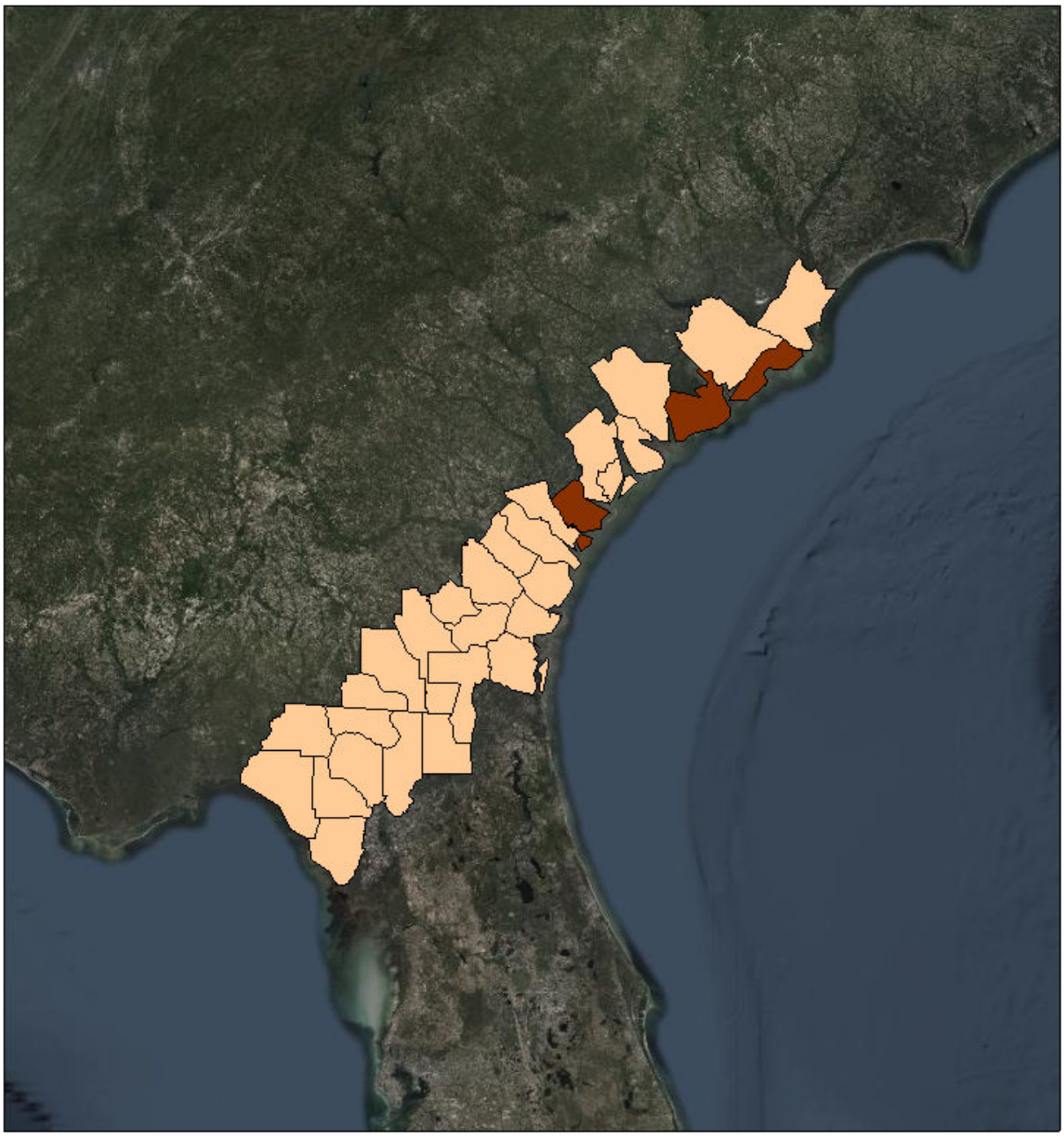
25,000 - 99,000 persons

175,000 - 249,000 persons

Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

Created by SimSuite

# Households



Households

< 7,500 Households

15,000 - 24,999 Households

25,000 - 49,999 Households

1:5,135,926

0 37.5 75 150 mi

0 60 120 240 km

Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

Created by SimSuite

## Mission Summary

The mission models account for storm surge and wind damage only, but do not account for other related storm hazards that may affect the mission estimates.

| Mission Summary | |
|---|---|
| Total Counties | 28 |
| Debris (cu. yd.) | 1,446,977 |
| Est. Temp. Roofing (units) | 27,968 |
| Act. Temp. Roofing (units) | 9,229 |
| Population | 1,843,763 |
| Households | 643,687 |

| Population Distribution | |
|---|---|
| Tropical Storm | 1,794,010 |
| Category 1 | 798,237 |
| Category 2 | 49,668 |
| Category 3 | 44,856 |

| FLORIDA | Yds of Debris (710,026) | Est. Roof Units (7,067) | Act. Roof Units (2,332) | Population (222,816) | Households (78,084) |
|---|---|---|---|---|---|
| Baker | 3,805 | 85 | 28 | 28,042 | 8,772 |
| Columbia | 121,537 | 1,902 | 628 | 69,419 | 24,941 |
| Dixie | 63,464 | 625 | 206 | 16,299 | 6,316 |
| Hamilton | 53,821 | 530 | 175 | 14,344 | 4,617 |
| Lafayette | 60,519 | 488 | 161 | 8,476 | 2,580 |
| Madison | 239 | 7 | 2 | 18,862 | 6,985 |
| Suwannee | 357,684 | 2,956 | 976 | 44,733 | 15,953 |
| Taylor | 48,959 | 473 | 156 | 22,641 | 7,920 |

| GEORGIA | Yds of Debris (375,659) | Est. Roof Units (10,479) | Act. Roof Units (3,458) | Population (691,811) | Households (242,758) |
|---|---|---|---|---|---|
| Brantley | 17,901 | 516 | 170 | 18,729 | 6,885 |
| Bryan | 8,823 | 255 | 84 | 37,469 | 10,738 |
| Camden | 4,714 | 136 | 45 | 53,037 | 18,047 |
| Charlton | 8,153 | 197 | 65 | 13,121 | 3,927 |
| Chatham | 203,768 | 5,878 | 1,940 | 292,686 | 103,038 |
| Clinch | 7,710 | 145 | 48 | 6,915 | 2,572 |
| Echols | 3,777 | 71 | 23 | 4,137 | 1,329 |
| Glynn | 28,234 | 814 | 269 | 84,625 | 31,774 |
| Liberty | 28,673 | 827 | 273 | 64,510 | 22,155 |
| Long | 4,935 | 142 | 47 | 18,728 | 5,023 |
| McIntosh | 8,586 | 248 | 82 | 13,862 | 5,971 |
| Pierce | 6,182 | 178 | 59 | 19,286 | 7,083 |
| Ware | 30,503 | 676 | 223 | 35,094 | 13,654 |
| Wayne | 13,702 | 395 | 130 | 29,612 | 10,562 |

| SOUTH CAROLINA | Yds of Debris (361,292) | Est. Roof Units (10,422) | Act. Roof Units (3,439) | Population (929,136) | Households (322,845) |
|---|---|---|---|---|---|
| Beaufort | 104,562 | 3,016 | 995 | 187,450 | 64,945 |
| Berkeley | 3,038 | 88 | 29 | 207,154 | 65,419 |
| Charleston | 248,842 | 7,178 | 2,369 | 403,176 | 144,309 |
| Colleton | 1,734 | 50 | 17 | 38,408 | 15,131 |
| Georgetown | 312 | 9 | 3 | 62,847 | 24,524 |
| Jasper | 2,802 | 81 | 27 | 30,101 | 8,517 |

## [2022] Critical Infrastructure

| Summary | |
|---|---|
| Total Critical Facilities | 1,087 |
| Power Requirements (kW) | 24,898.0 |

| Range (kW) | |
|---|---|

| Communications | # FED Gen Req | Range (kW) | Req kW |
|---|---|---|---|
| Cellular Towers (175) | 105.0 | 35 - 75 | 5,775.0 |
| FM Antennas (65) | 3.3 | 35 - 75 | 178.8 |

| Education | # FED Gen Req | Range (kW) | Req kW |
|---|---|---|---|
| Private Schools (79) | 0.0 | 200 - 300 | 0.0 |
| Public Schools (210) | 63.0 | 200 - 300 | 15,750.0 |
| Colleges and Universities (18) | 0.4 | 200 - 300 | 90.0 |

| Emergency Services | # FED Gen Req | Range (kW) | Req kW |
|---|---|---|---|
| 911 Call Centers (0) | 0.0 | 15 - 35 | 0.0 |
| Emergency Medical Service (132) | 13.2 | 15 - 35 | 330.0 |
| Fire Stations (162) | 16.2 | 15 - 35 | 405.0 |

| Healthcare | # FED Gen Req | Range (kW) | Req kW |
|---|---|---|---|
| Nursing Homes (111) | 16.6 | 35 - 100 | 1,123.9 |
| Urgent Care Facilities (19) | 3.8 | 200 - 300 | 950.0 |

| Law Enforcement | # FED Gen Req | Range (kW) | Req kW |
|---|---|---|---|
| Local Police (48) | 4.8 | 15 - 35 | 120.0 |
| Correctional Facilities (0) | 0.0 | 400 - 600 | 0.0 |

| State and Local EOCs | # FED Gen Req | Range (kW) | Req kW |
|---|---|---|---|
| Local Emergency Operations Centers (11) | 2.2 | 15 - 40 | 60.5 |

| State Facilities | # FED Gen Req | Range (kW) | Req kW |
|---|---|---|---|
| Governors Mansions (0) | 0.0 | 100 - 200 | 0.0 |
| Major State Government Buildings (1) | 0.1 | 100 - 200 | 15.0 |

| Transportation | # FED Gen Req | Range (kW) | Req kW |
|---|---|---|---|
| Amtrack Stations (1) | 0.0 | 100 - 300 | 0.0 |
| Bus Stations (2) | 0.0 | 100 - 300 | 0.0 |
| Intermodal Terminal Facilities (14) | 0.0 | 100 - 300 | 0.0 |
| Railroad Stations (1) | 0.0 | 100 - 300 | 0.0 |

| Water and Wastewater | # FED Gen Req | Range (kW) | Req kW |
|---|---|---|---|
| Wastewater Treatment Plants (38) | 1.9 | 35 - 70 | 99.8 |

## Social Vulnerability Index

Possible scores range from **0** (lowest vulnerability) to **1** (highest vulnerability).

| # | Location | Cat | Overall SVI Score |
|---|---|---|---|
| 1 | Hamilton County, Florida | 3 | 0.991 |
| 2 | Lafayette County, Florida | 3 | 0.981 |
| 3 | Suwannee County, Florida | 3 | 0.942 |
| 4 | Dixie County, Florida | 3 | 0.899 |
| 5 | Taylor County, Florida | 3 | 0.898 |
| 6 | Columbia County, Florida | 3 | 0.86 |
| 7 | Clinch County, Georgia | 2 | 0.978 |
| 8 | Charlton County, Georgia | 2 | 0.875 |
| 9 | Ware County, Georgia | 2 | 0.845 |
| 10 | Baker County, Florida | 2 | 0.68 |
| 11 | Echols County, Georgia | 2 | 0.661 |
| 12 | Madison County, Florida | 1 | 0.961 |
| 13 | Jasper County, South Carolina | 1 | 0.945 |
| 14 | Wayne County, Georgia | 1 | 0.917 |
| 15 | Liberty County, Georgia | 1 | 0.888 |
| 16 | Long County, Georgia | 1 | 0.827 |
| 17 | Colleton County, South Carolina | 1 | 0.8 |
| 18 | Glynn County, Georgia | 1 | 0.716 |
| 19 | Chatham County, Georgia | 1 | 0.695 |
| 20 | Georgetown County, South Carolina | 1 | 0.677 |
| 21 | Pierce County, Georgia | 1 | 0.657 |
| 22 | Brantley County, Georgia | 1 | 0.623 |
| 23 | McIntosh County, Georgia | 1 | 0.586 |
| 24 | Camden County, Georgia | 1 | 0.516 |
| 25 | Berkeley County, South Carolina | 1 | 0.515 |
| 26 | Beaufort County, South Carolina | 1 | 0.401 |
| 27 | Bryan County, Georgia | 1 | 0.339 |
| 28 | Charleston County, South Carolina | 1 | 0.316 |

## Poverty Level

| # | County | Cat | Pop. below Federal poverty line | % Population |
|---|---|---|---|---|
| 1 | Columbia County | 3 | 9,214 | 14 |
| 2 | Suwannee County | 3 | 6,318 | 15 |
| 3 | Taylor County | 3 | 3,310 | 18 |
| 4 | Hamilton County | 3 | 2,850 | 26 |
| 5 | Dixie County | 3 | 2,375 | 16 |
| 6 | Lafayette County | 3 | 1,042 | 15 |
| 7 | Ware County | 2 | 7,999 | 24 |
| 8 | Baker County | 2 | 2,895 | 12 |
| 9 | Charlton County | 2 | 2,421 | 21 |
| 10 | Clinch County | 2 | 2,010 | 30 |
| 11 | Echols County | 2 | 939 | 25 |
| 12 | Charleston County | 1 | 49,391 | 13 |
| 13 | Chatham County | 1 | 40,087 | 14 |
| 14 | Berkeley County | 1 | 25,247 | 11 |
| 15 | Beaufort County | 1 | 18,334 | 10 |
| 16 | Glynn County | 1 | 13,908 | 17 |
| 17 | Liberty County | 1 | 10,411 | 17 |
| 18 | Georgetown County | 1 | 10,269 | 17 |
| 19 | Camden County | 1 | 8,320 | 16 |
| 20 | Colleton County | 1 | 6,873 | 18 |
| 21 | Wayne County | 1 | 5,313 | 19 |
| 22 | Jasper County | 1 | 5,067 | 19 |
| 23 | Madison County | 1 | 4,046 | 25 |
| 24 | Bryan County | 1 | 3,793 | 9 |
| 25 | Pierce County | 1 | 3,490 | 18 |
| 26 | Brantley County | 1 | 3,025 | 17 |
| 27 | Long County | 1 | 2,962 | 18 |
| 28 | McIntosh County | 1 | 2,204 | 20 |

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https://localhost:3344/webappbuilder/apps/10/#advid=310&oid=93&name=Hurricane%20Idalia&advisory=Advisory%209&advlf=G