



US Army Corps
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Hurricane Idalia Advisory #16

For Planning Purposes Only!

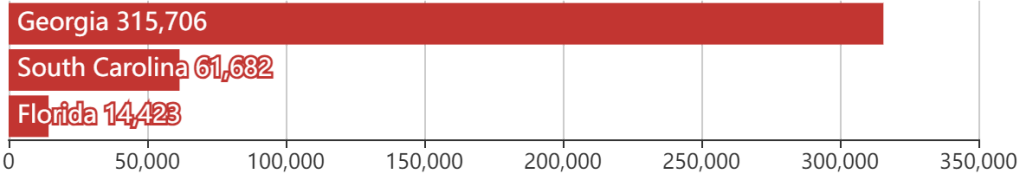
WASHINGTON, DC	CHICAGO	LOS ANGELES
11:40:07	10:40:07	08:40:07
30 Aug 2023	30 Aug 2023	30 Aug 2023

<https://simsuite.usace.army.mil/wab/v2.15/MissionModels/#advid=317&oid=93&name=Hurricane%20Idalia&advisory=Advisory%2016&advf=G>

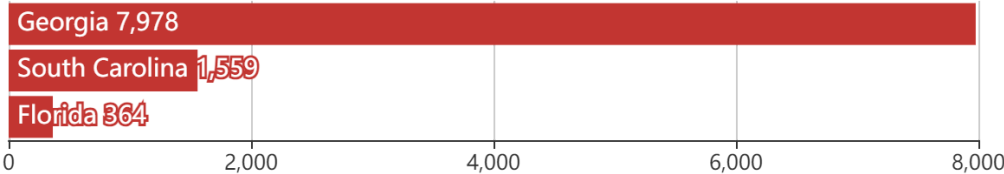
Updated as of 30 Aug 2023 (10:40 AM Central Daylight Time)

Debris

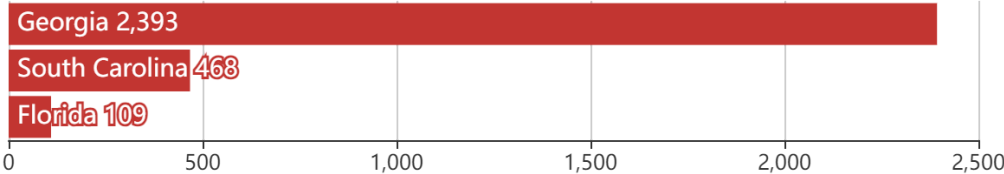
391.8K
cu. yd.



Est. Temp.
Roofing
9.9K
units

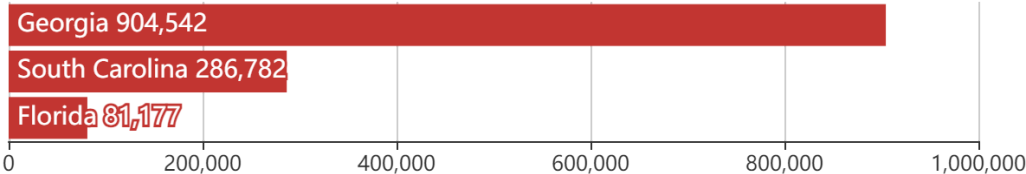


Act. Temp.
Roofing
3K
units



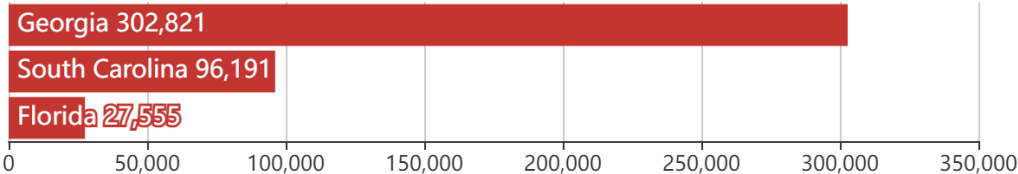
Population

1.3M
people



Households

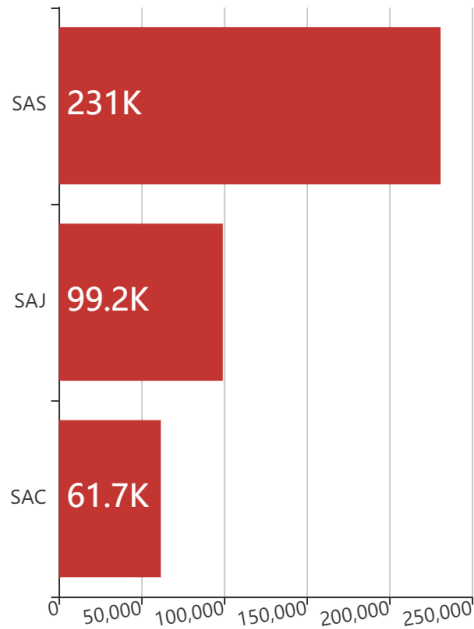
426.6K
households



Mission Model Summary

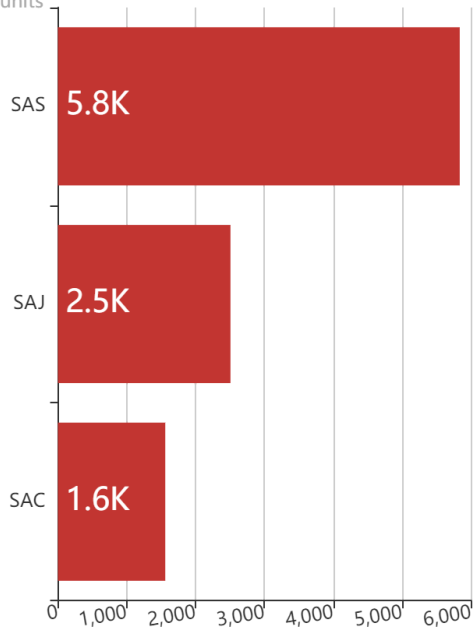
Debris By USACE District

cu. yd.

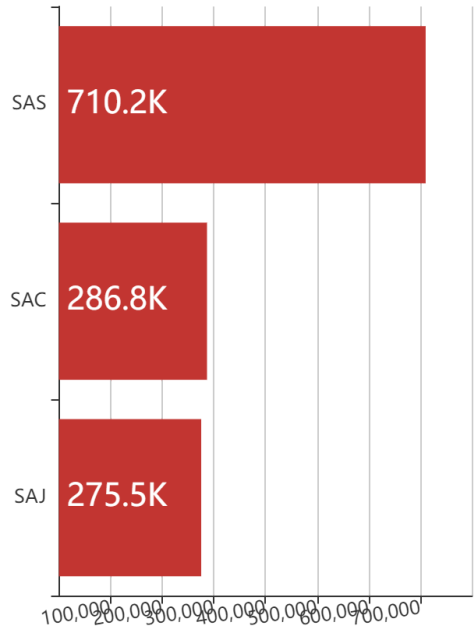


Est. Temp. Roofing By USACE District

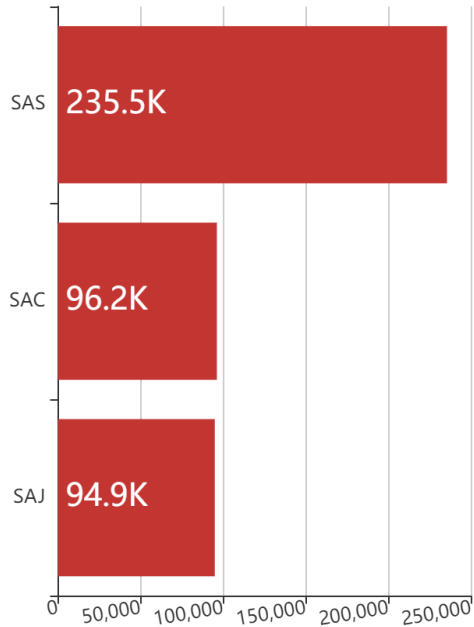
units



Population By USACE District



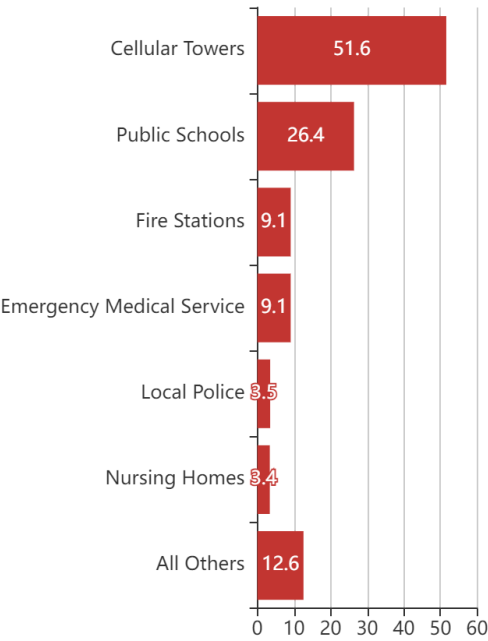
Households By USACE District



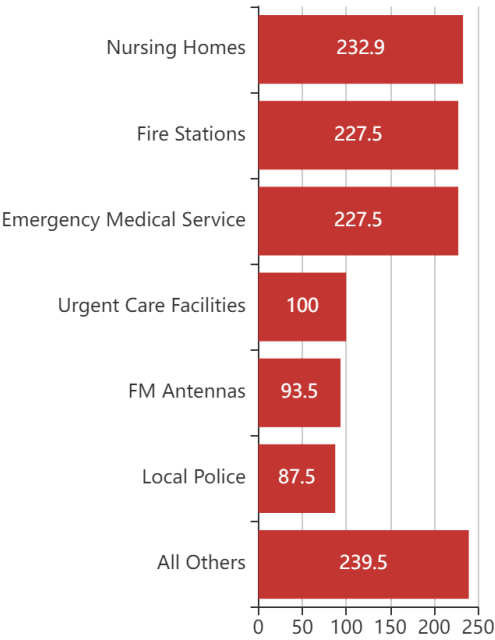
Critical Infrastructure Summary



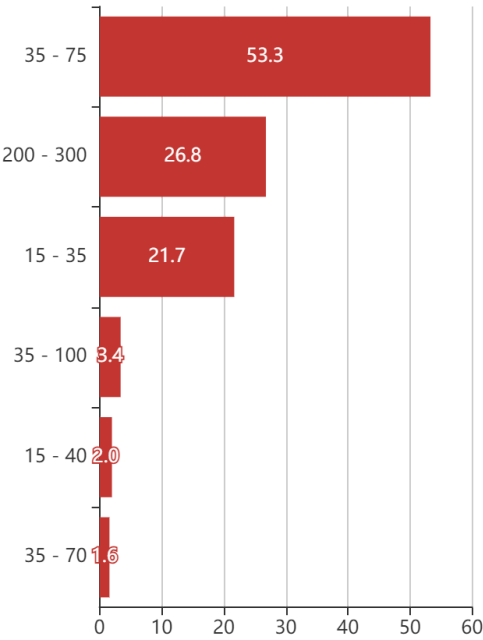
Generators
By Generator Count



Generators
By Power Requirement

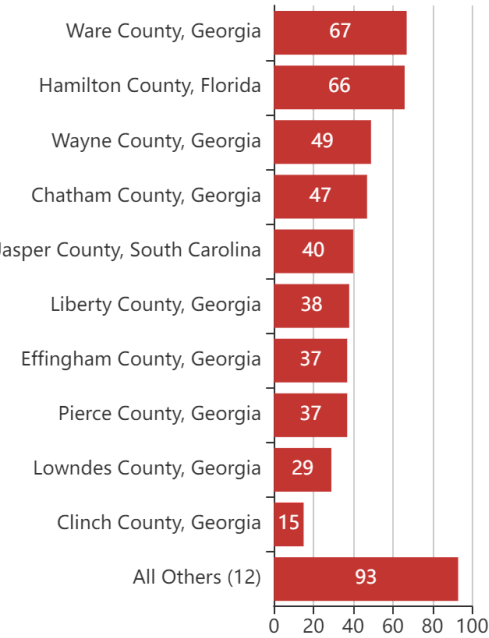


Generators
By Range



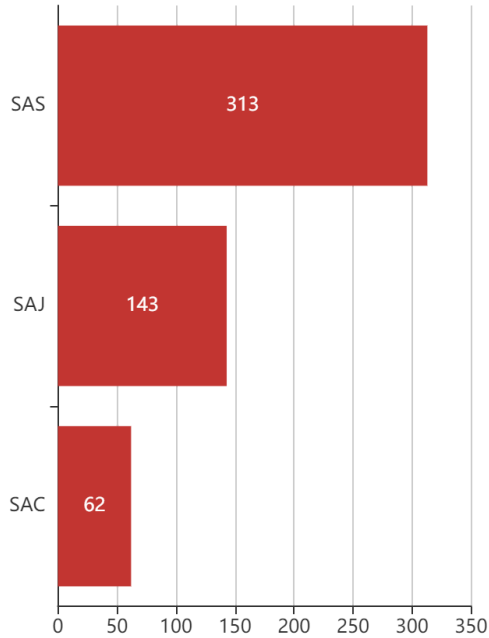
Structures

By County



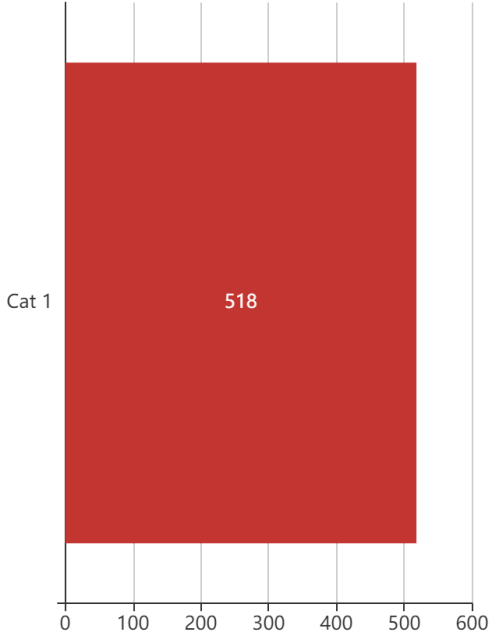
Structures

By USACE District

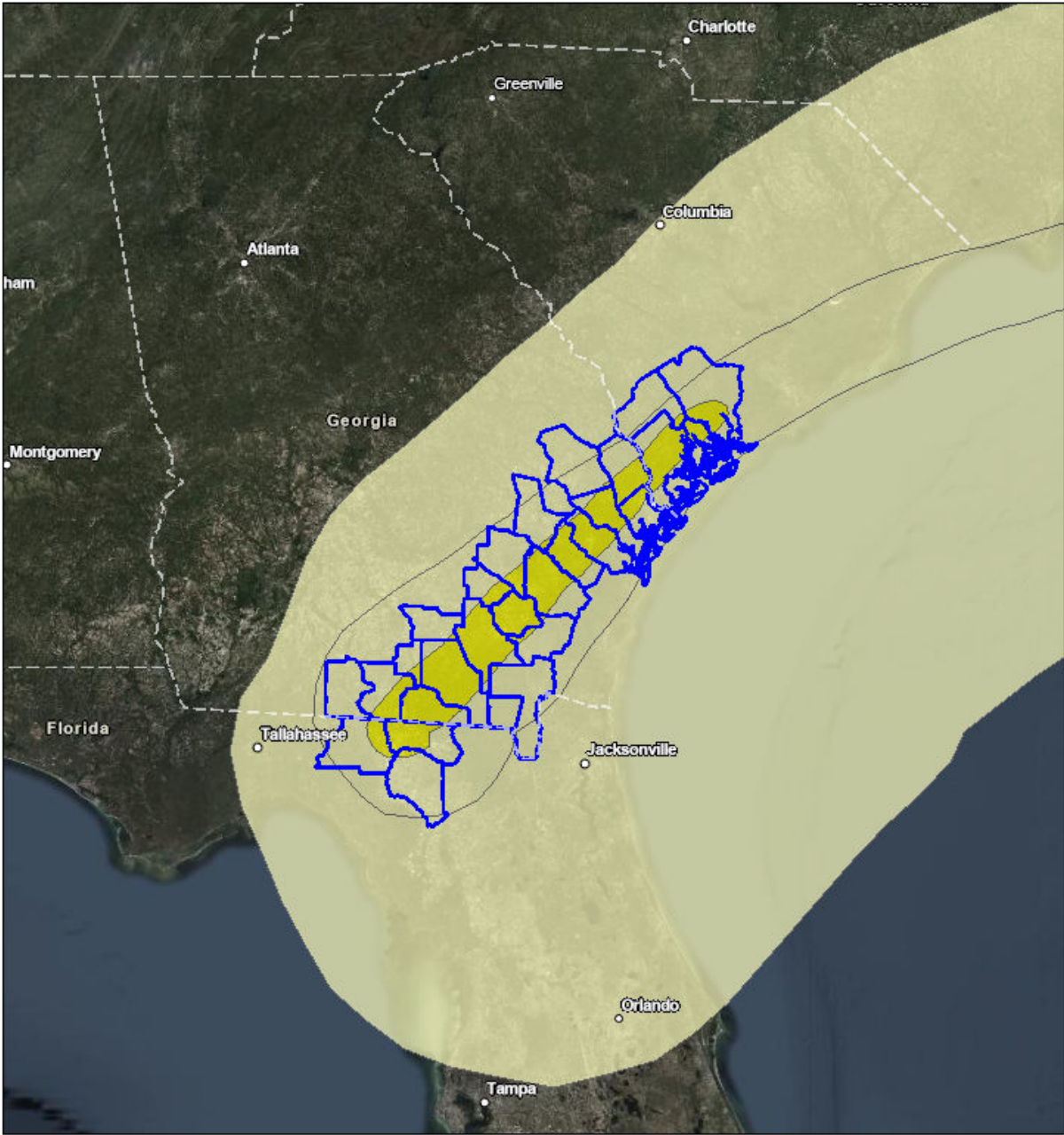


Structures

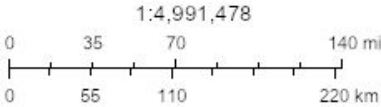
By Intensity



Letter ANSI A Portrait



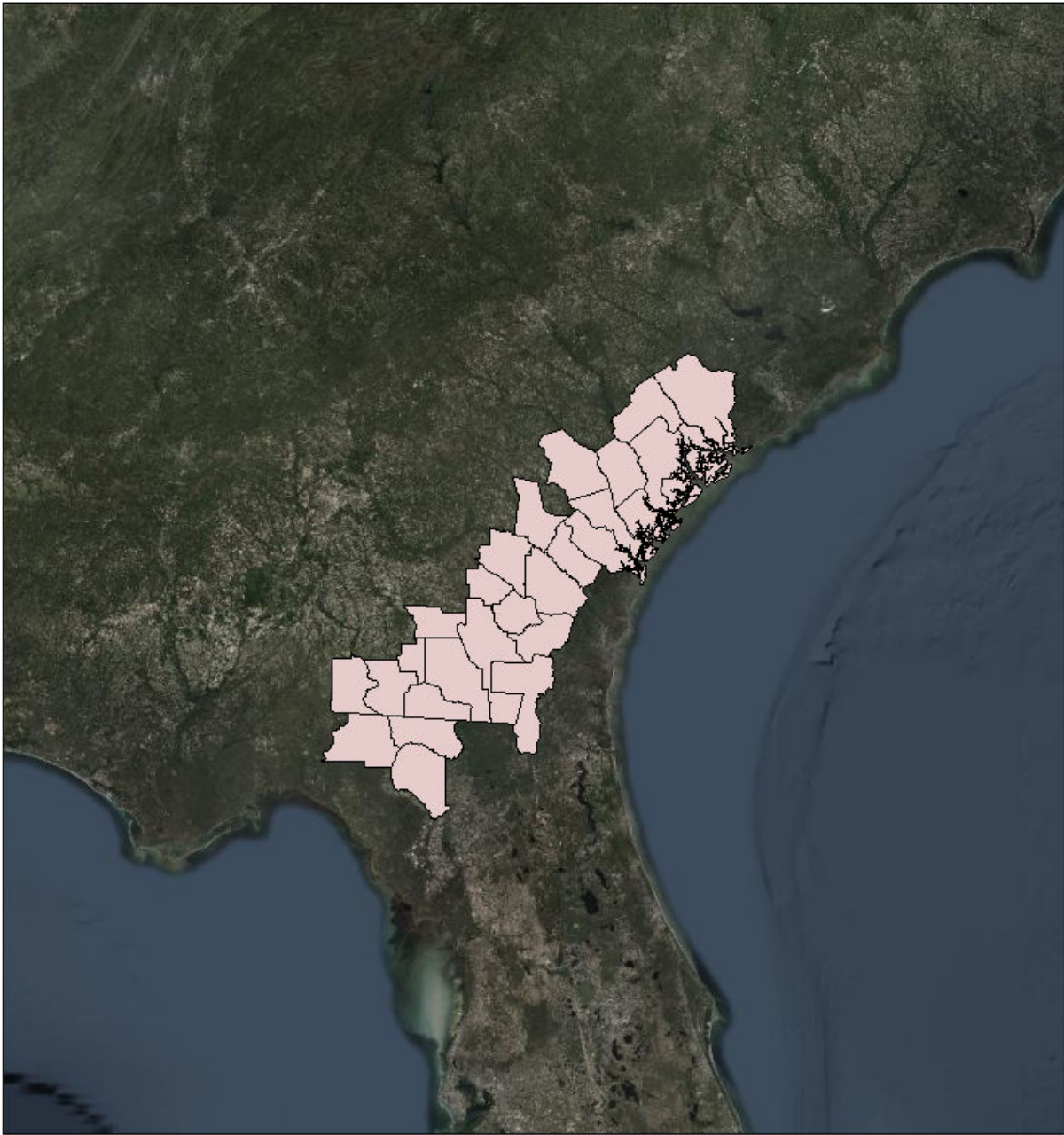
- Counties
- Mission Model Swaths
 - TS
 - Cat 1



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

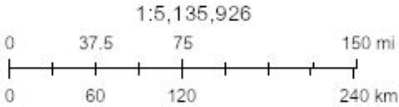
Created by SimSuite

Debris



Debris

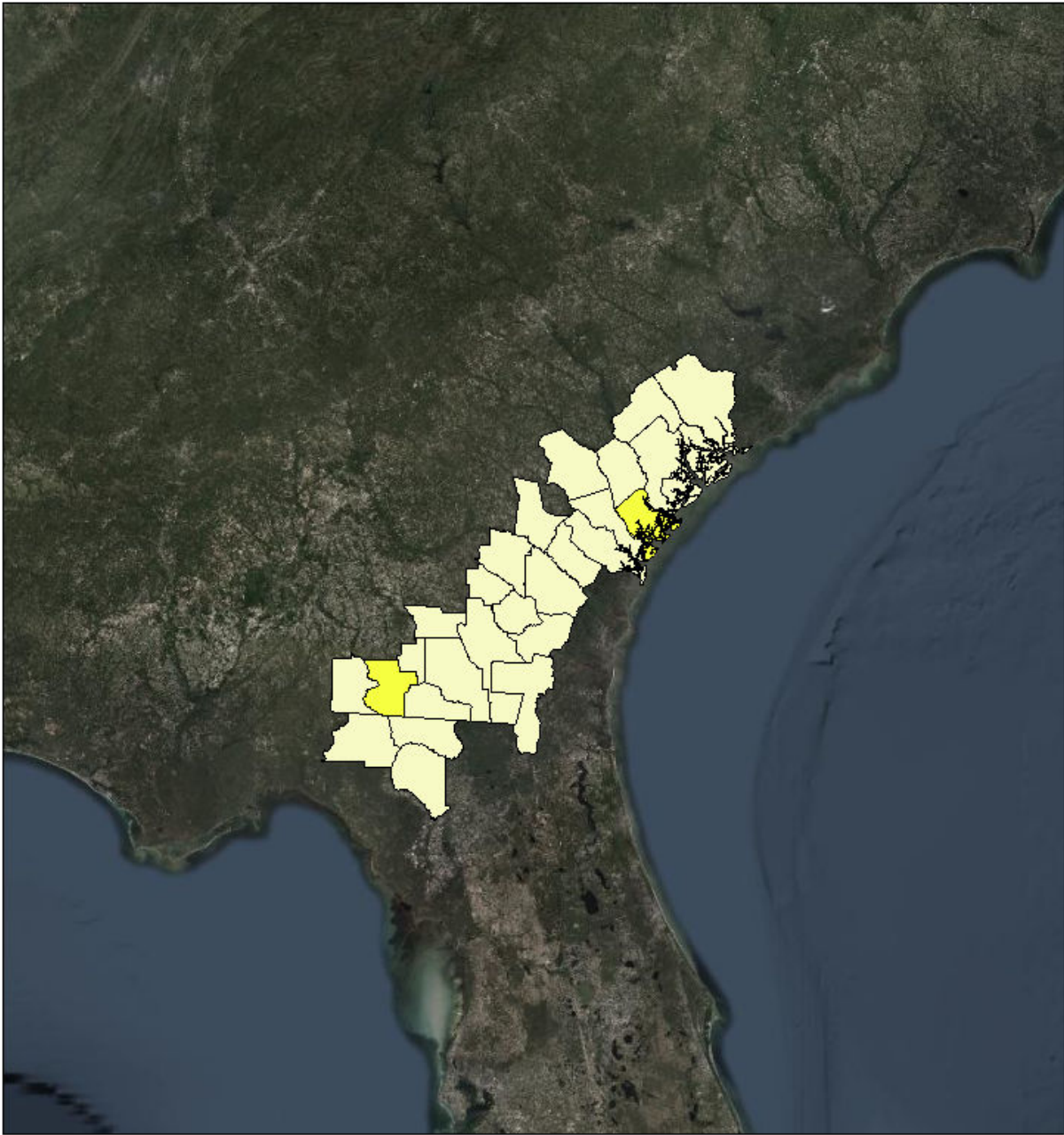
 < 100,000 cubic yards



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

Created by SimSuite

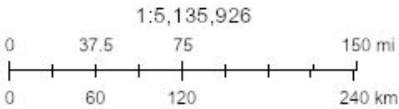
Est. Temp. Roofing



Est. Temp. Roofing

< 1000 units

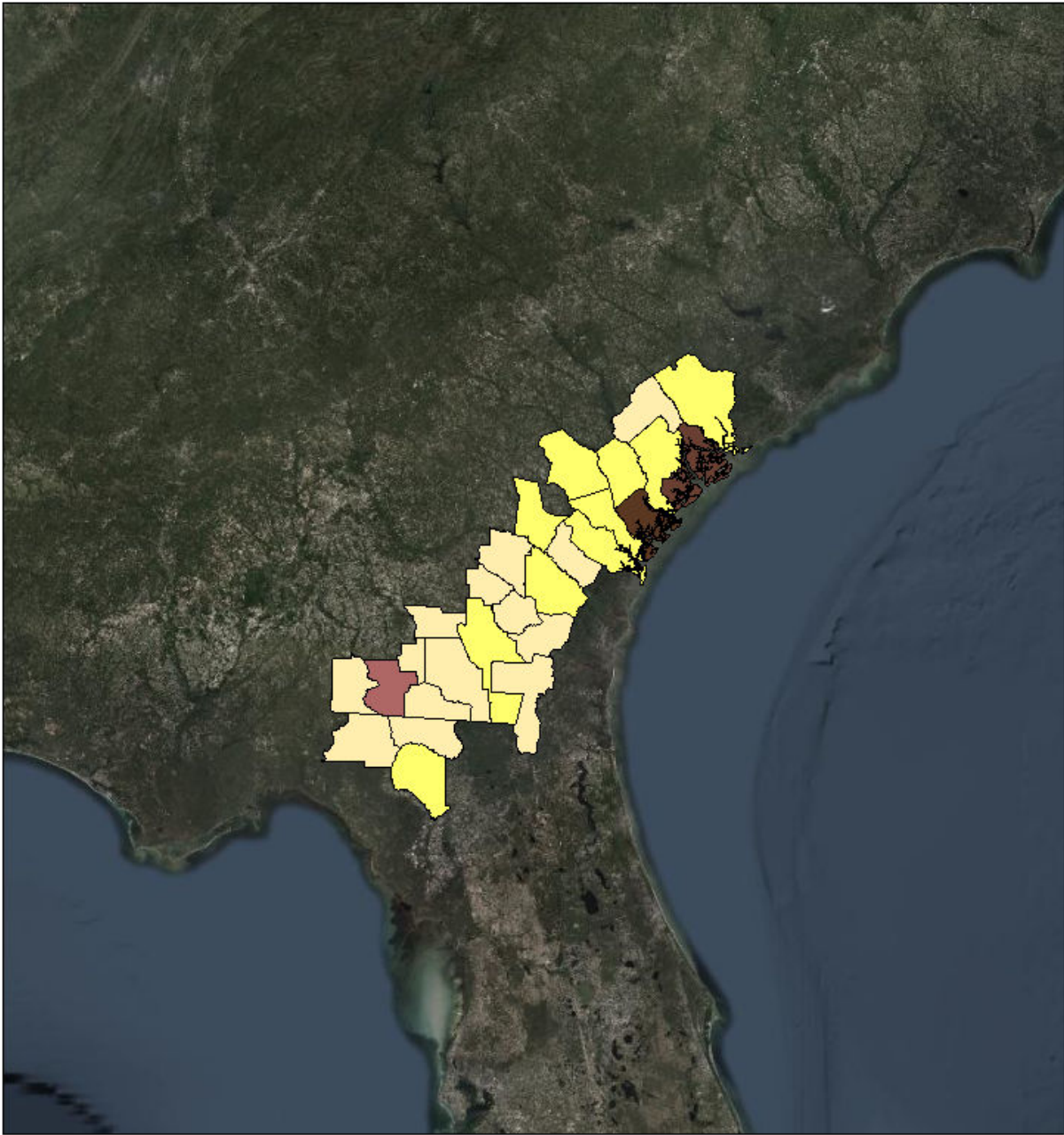
1000 - 4999 units



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

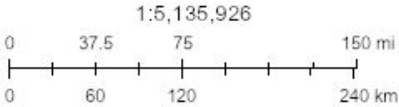
Created by SimSuite

Population



Population

- < 25,000 persons
- 25,000 - 99,000 persons
- 100,000 - 174,999 persons
- 175,000 - 249,000 persons



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		27			
Debris (cu. yd.)		391,812			
Est. Temp. Roofing (units)		9,901			
Act. Temp. Roofing (units)		2,970			
Population		1,272,501			
Households		426,567			
Population Distribution					
Tropical Storm		1,628,043			
Category 1		400,866			
FLORIDA	Yds of Debris (14,423)	Est. Roof Units (364)	Act. Roof Units (109)	Population (81,177)	Households (27,555)
Hamilton	7,756	196	59	15,527	4,617
Madison	4,204	106	32	19,974	6,985
Suwannee	2,463	62	19	45,676	15,953

GEORGIA	Yds of Debris (315,706)	Est. Roof Units (7,978)	Act. Roof Units (2,393)	Population (904,542)	Households (302,821)
Appling	4,104	104	31	18,453	6,969
Atkinson	394	10	3	10,217	2,983
Bacon	4,578	116	35	11,518	4,214
Brantley	2,460	62	19	20,181	6,885
Brooks	90	2	1	16,422	6,457
Bryan	18,479	467	140	40,478	10,738
Bulloch	1,223	31	9	79,152	25,575
Charlton	189	5	1	12,828	3,927
Chatham	84,403	2,133	640	290,390	103,038
Clinch	5,649	143	43	6,653	2,572
Echols	3,383	85	26	4,353	1,329
Effingham	25,763	651	195	66,696	18,092
Lanier	2,415	61	18	10,810	3,608
Liberty	35,042	885	266	65,088	22,155
Long	11,095	280	84	19,666	5,023
Lowndes	47,869	1,210	363	119,324	39,747
Pierce	20,872	527	158	20,038	7,083
Tattnall	1,282	32	10	25,371	8,210
Ware	25,336	640	192	36,789	13,654
Wayne	21,080	533	160	30,115	10,562

SOUTH CAROLINA	Yds of Debris (61,682)	Est. Roof Units (1,559)	Act. Roof Units (468)	Population (286,782)	Households (96,191)
Beaufort	37,683	952	286	193,186	64,945
Colleton	7,802	197	59	39,614	15,131
Hampton	1,262	32	10	22,707	7,598
Jasper	14,935	377	113	31,275	8,517

Critical Infrastructure

Summary			
Total Critical Facilities		518	
Power Requirements (kW)		10,550.9	
Range (kW)			
Communications	# FED Gen Req	Range (kW)	Req kW
Cellular Towers (86)	51.6	35 - 75	2,838.0
FM Antennas (34)	1.7	35 - 75	93.5
Education	# FED Gen Req	Range (kW)	Req kW
Private Schools (15)	0.0	200 - 300	0.0
Public Schools (88)	26.4	200 - 300	6,600.0
Colleges and Universities (1)	0.0	200 - 300	5.0
Emergency Services	# FED Gen Req	Range (kW)	Req kW
911 Call Centers (0)	0.0	15 - 35	0.0
Emergency Medical Service (91)	9.1	15 - 35	227.5
Fire Stations (91)	9.1	15 - 35	227.5
Healthcare	# FED Gen Req	Range (kW)	Req kW
Nursing Homes (23)	3.4	35 - 100	232.9
Urgent Care Facilities (2)	0.4	200 - 300	100.0
Law Enforcement	# FED Gen Req	Range (kW)	Req kW
Local Police (35)	3.5	15 - 35	87.5
Correctional Facilities (0)	0.0	400 - 600	0.0
State and Local EOCs	# FED Gen Req	Range (kW)	Req kW
Local Emergency Operations Centers (10)	2.0	15 - 40	55.0
State Facilities	# FED Gen Req	Range (kW)	Req kW
Governors Mansions (0)	0.0	100 - 200	0.0
Major State Government Buildings (0)	0.0	100 - 200	0.0
Transportation	# FED Gen Req	Range (kW)	Req kW
Amtrack Stations (2)	0.0	100 - 300	0.0
Bus Stations (1)	0.0	100 - 300	0.0
Intermodal Terminal Facilities (5)	0.0	100 - 300	0.0
Railroad Stations (2)	0.0	100 - 300	0.0

Water and Wastewater	# FED Gen Req	Range (kW)	Req kW
Wastewater Treatment Plants (32)	1.6	35 - 70	84.0

Poverty Level

#	County	Cat	Pop. below Federal poverty line	% Population
1	Suwannee County	3	6,318	15
2	Madison County	3	4,046	25
3	Taylor County	3	3,310	18
4	Hamilton County	3	2,850	26
5	Lafayette County	3	1,042	15
6	Dixie County	2	2,375	16
7	Clinch County	2	2,010	30
8	Echols County	2	939	25
9	Chatham County	1	40,087	14
10	Lowndes County	1	25,906	23
11	Liberty County	1	10,411	17
12	Columbia County	1	9,214	14
13	Ware County	1	7,999	24
14	Wayne County	1	5,313	19
15	Effingham County	1	4,783	8
16	Appling County	1	4,612	25
17	Tattnall County	1	3,830	20
18	Bryan County	1	3,793	9
19	Pierce County	1	3,490	18
20	Lanier County	1	3,269	34
21	Brantley County	1	3,025	17
22	Long County	1	2,962	18
23	Bacon County	1	2,557	25
24	Charlton County	1	2,421	21
25	Atkinson County	1	2,214	27

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	Madison County, Florida	3	0.961
4	Suwannee County, Florida	3	0.942
5	Taylor County, Florida	3	0.898
6	Clinch County, Georgia	2	0.978
7	Dixie County, Florida	2	0.899
8	Echols County, Georgia	2	0.661
9	Appling County, Georgia	1	0.967
10	Atkinson County, Georgia	1	0.962
11	Bacon County, Georgia	1	0.939
12	Wayne County, Georgia	1	0.917
13	Tattnall County, Georgia	1	0.908
14	Liberty County, Georgia	1	0.888
15	Charlton County, Georgia	1	0.875
16	Lanier County, Georgia	1	0.87
17	Lowndes County, Georgia	1	0.866
18	Columbia County, Florida	1	0.86
19	Ware County, Georgia	1	0.845
20	Long County, Georgia	1	0.827
21	Chatham County, Georgia	1	0.695
22	Pierce County, Georgia	1	0.657
23	Brantley County, Georgia	1	0.623
24	Bryan County, Georgia	1	0.339
25	Effingham County, Georgia	1	0.236