



US Army Corps of Engineers  
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# Hurricane Ian Advisory #7

For Planning Purposes Only!

WASHINGTON, DC  
17:41:55  
24 Sep 2022

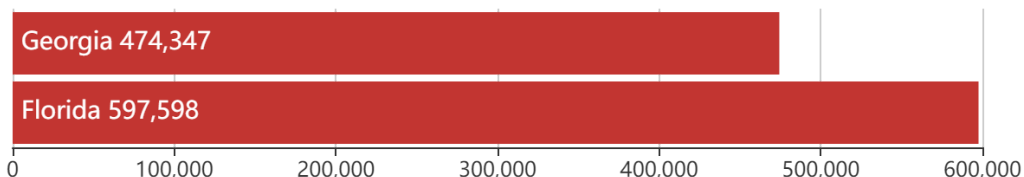
CHICAGO  
16:41:55  
24 Sep 2022

LOS ANGELES  
14:41:55  
24 Sep 2022

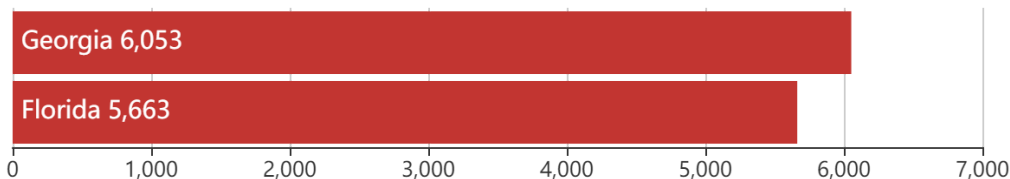
<https://simsuite.usace.army.mil/wab/v2.15/MissionModels/index.html#advid=261&oid=84&name=Hurricane%20Ian&advisory=Advisory%20%237&advlf=G>

Updated as of 24 Sep 2022 (4:41 PM Central Daylight Time)

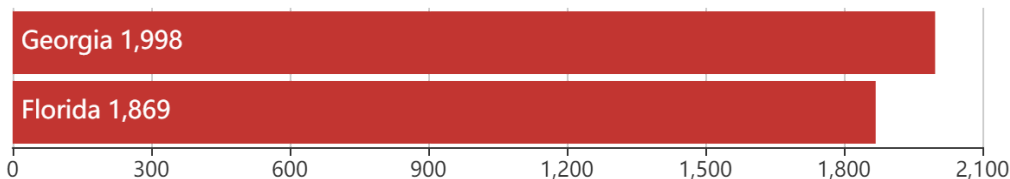
## Debris



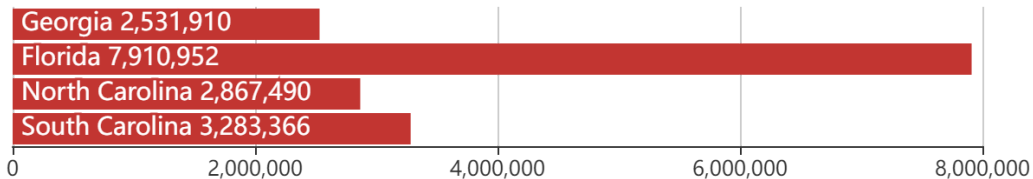
## Est. Temp. Roofing



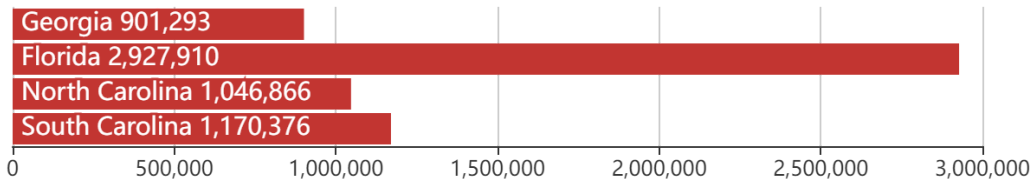
## Act. Temp. Roofing



## Population



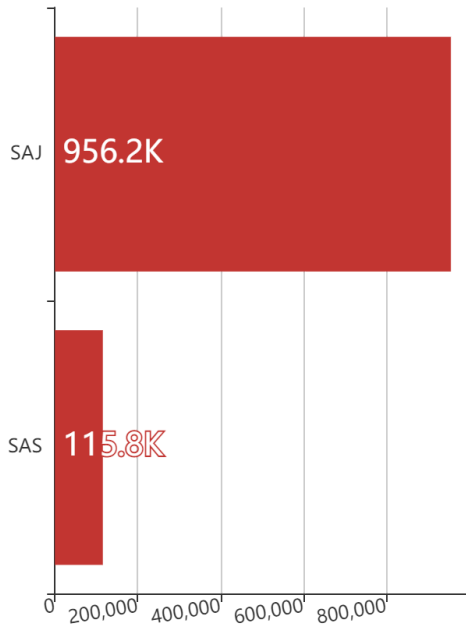
## Households



## Mission Model Summary

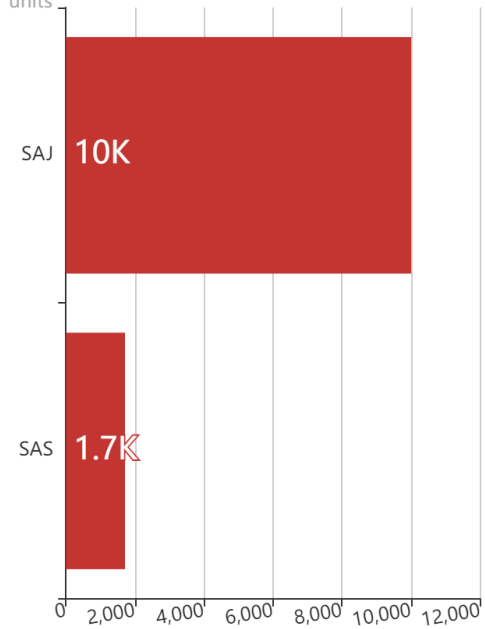
### Debris By USACE District

cu. yd.

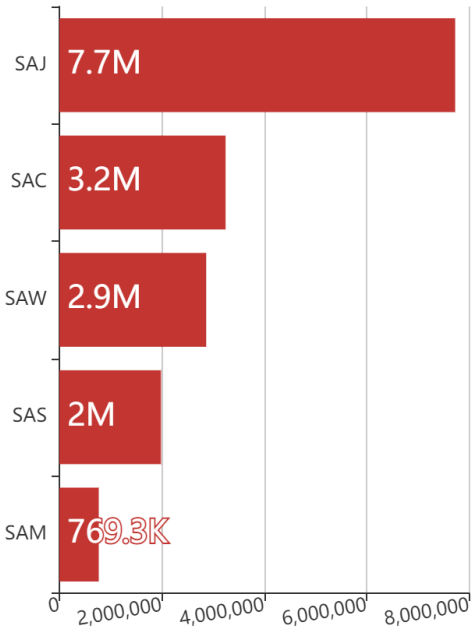


### Est. Temp. Roofing By USACE District

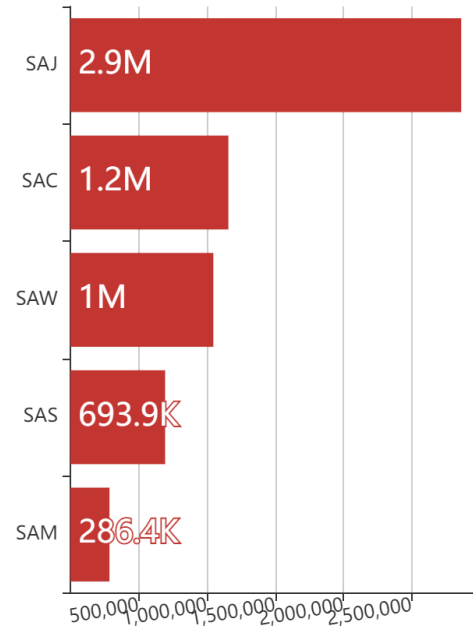
units



### Population By USACE District

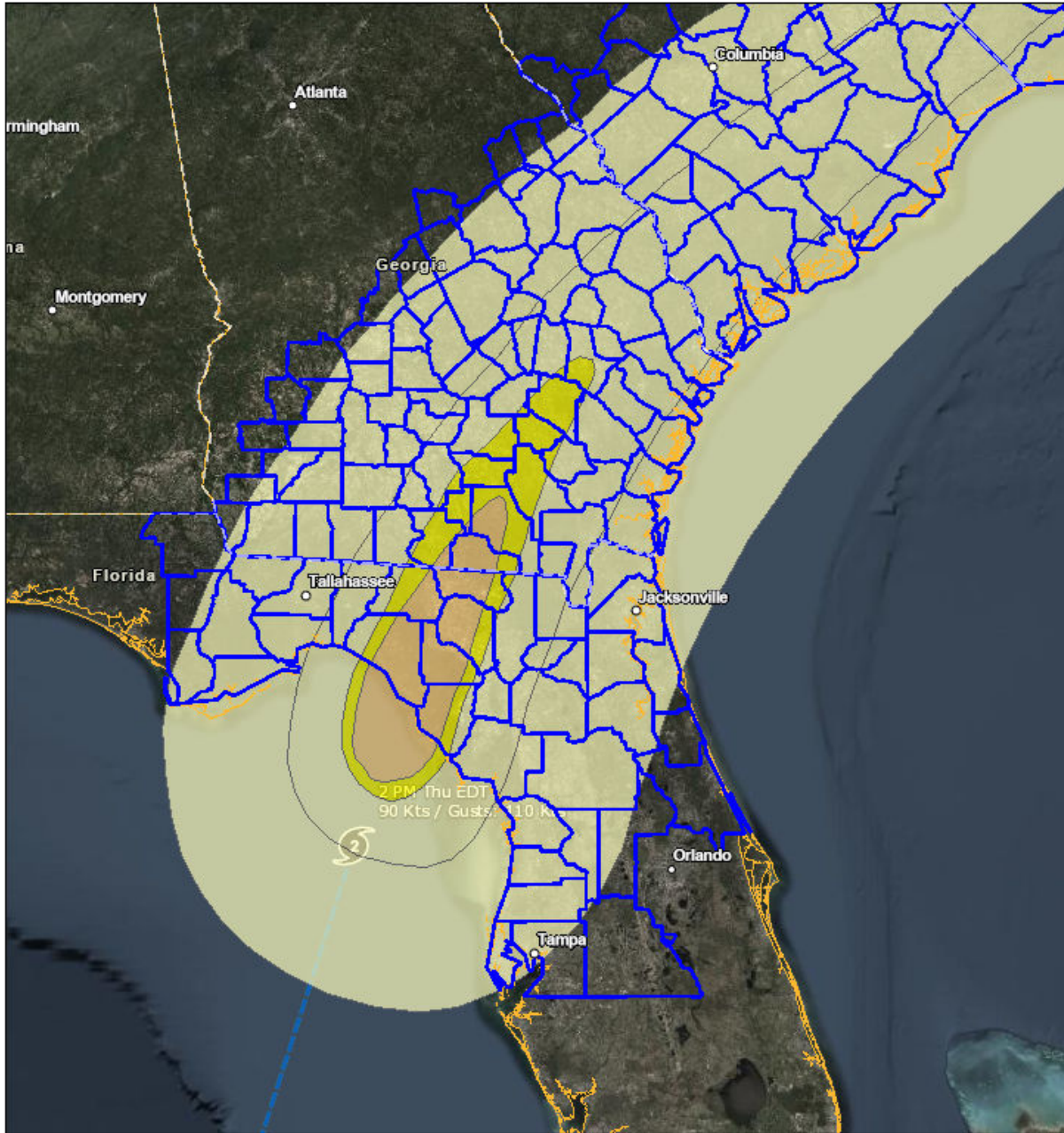


### Households By USACE District

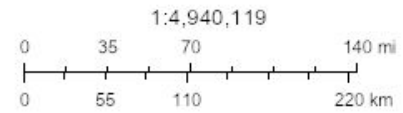


## Critical Infrastructure Summary

# Letter ANSI A Portrait



- Counties
- State Boundaries
- Mission Model Swaths
  - TS
  - Cat 1
  - Cat 2
- Tropical Cyclone Observed Surface Wind Swath
  - Observed (Best Track) Winds >= 34 knots (39 mph)
  - Observed (Best Track) Winds >= 50 knots (58 mph)
  - Observed (Best Track) Winds >= 64 knots (74 mph)
  - Observed (Best Track) Track Line
  - Observed (Best Track) Center Position



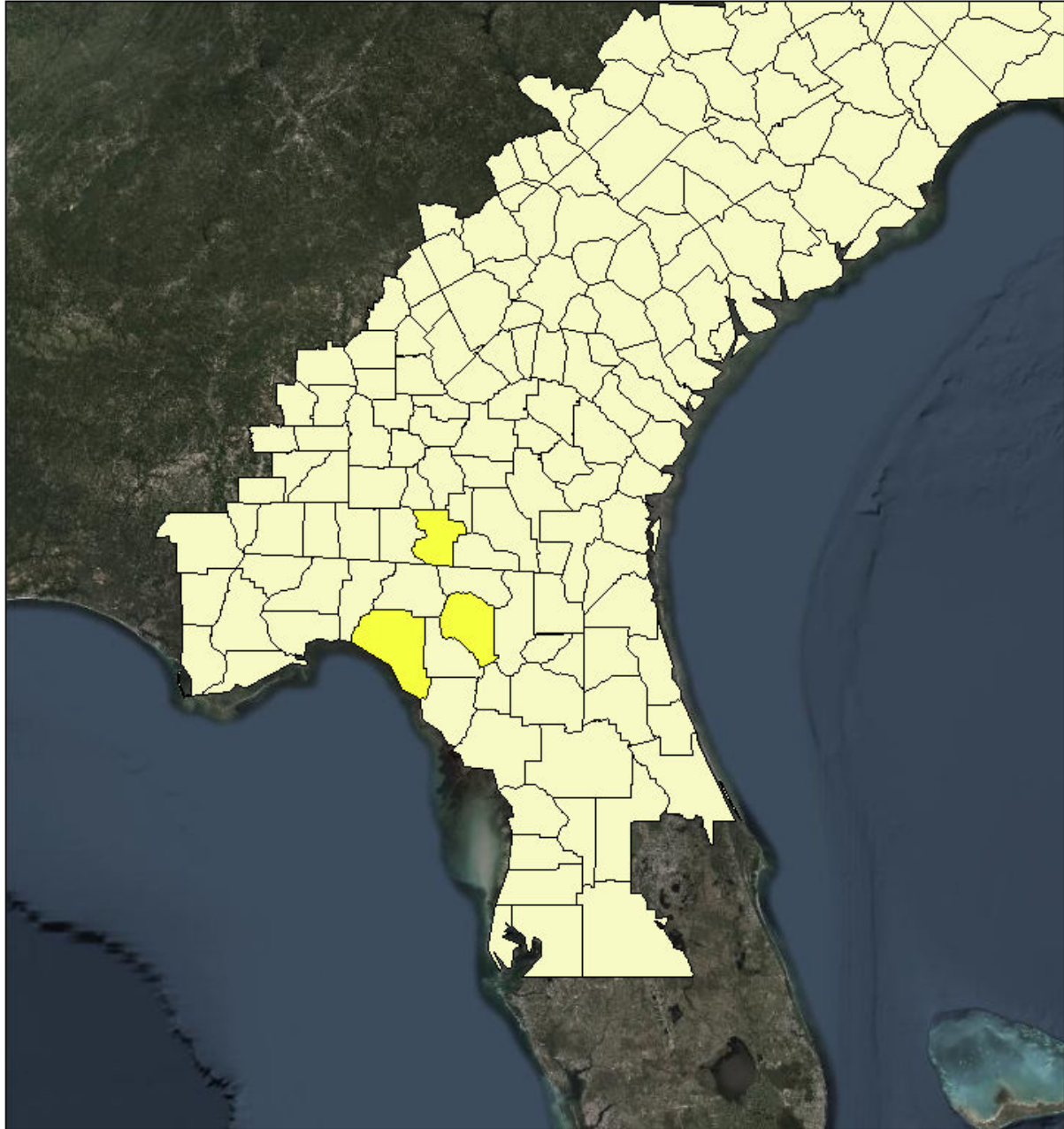
FDEP, Esri, HERE, Garmin, FAO, NOAA, USGS, EPA, Source: NOAA, Esri, NOAA/NOS/OCS nowCOAST, NOAA/NWS/NHC, NOAA/NWS/CPHC, Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Created by SimSuite






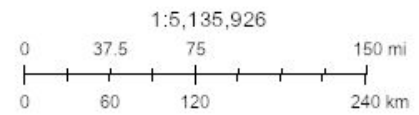
# Est. Temp. Roofing



Est. Temp. Roofing

 < 1000 units

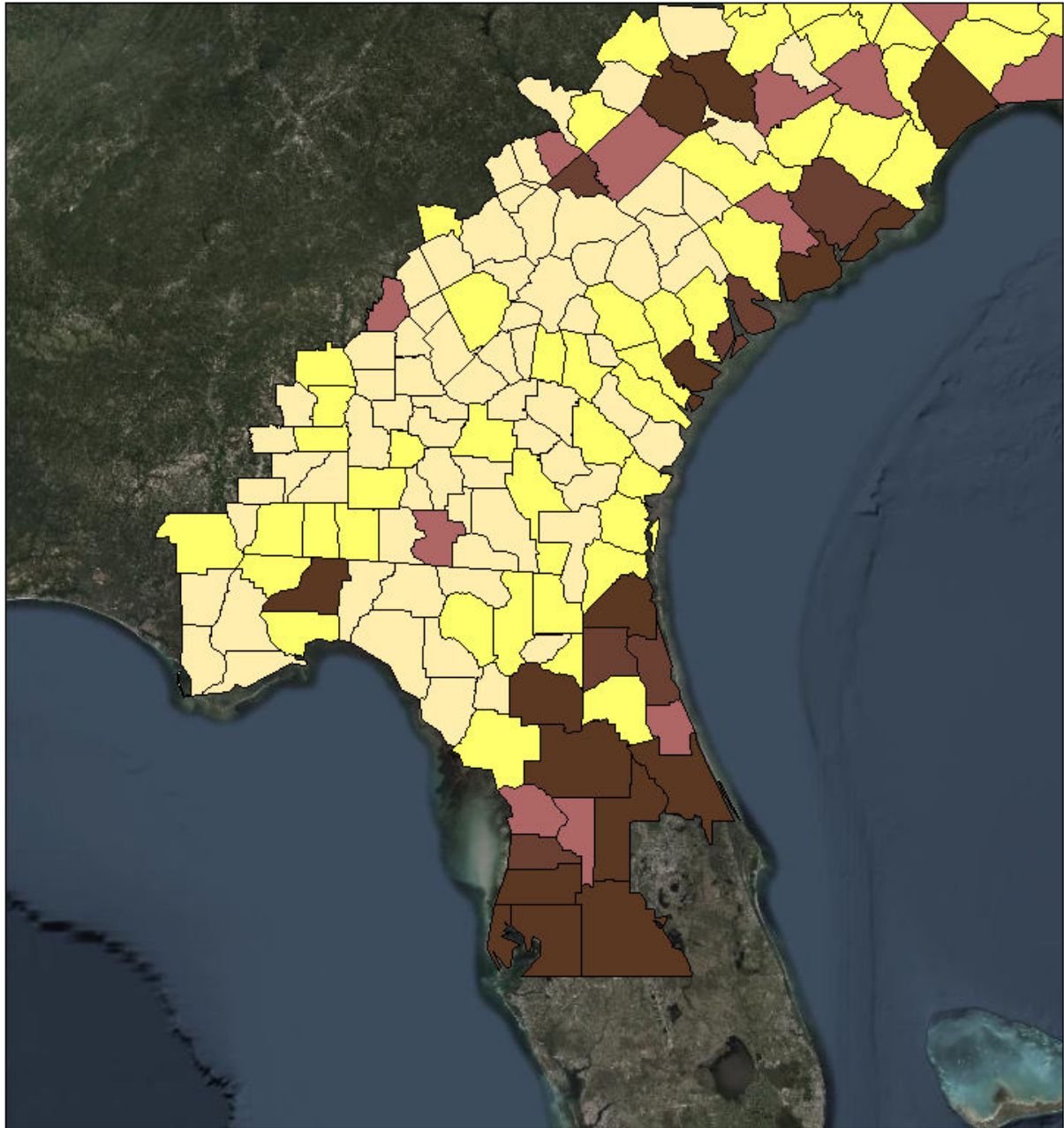
 1000 - 4999 units



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

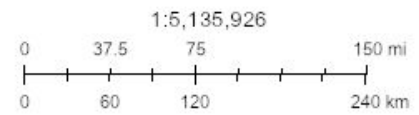
Created by SimSuite

# Population



## Population

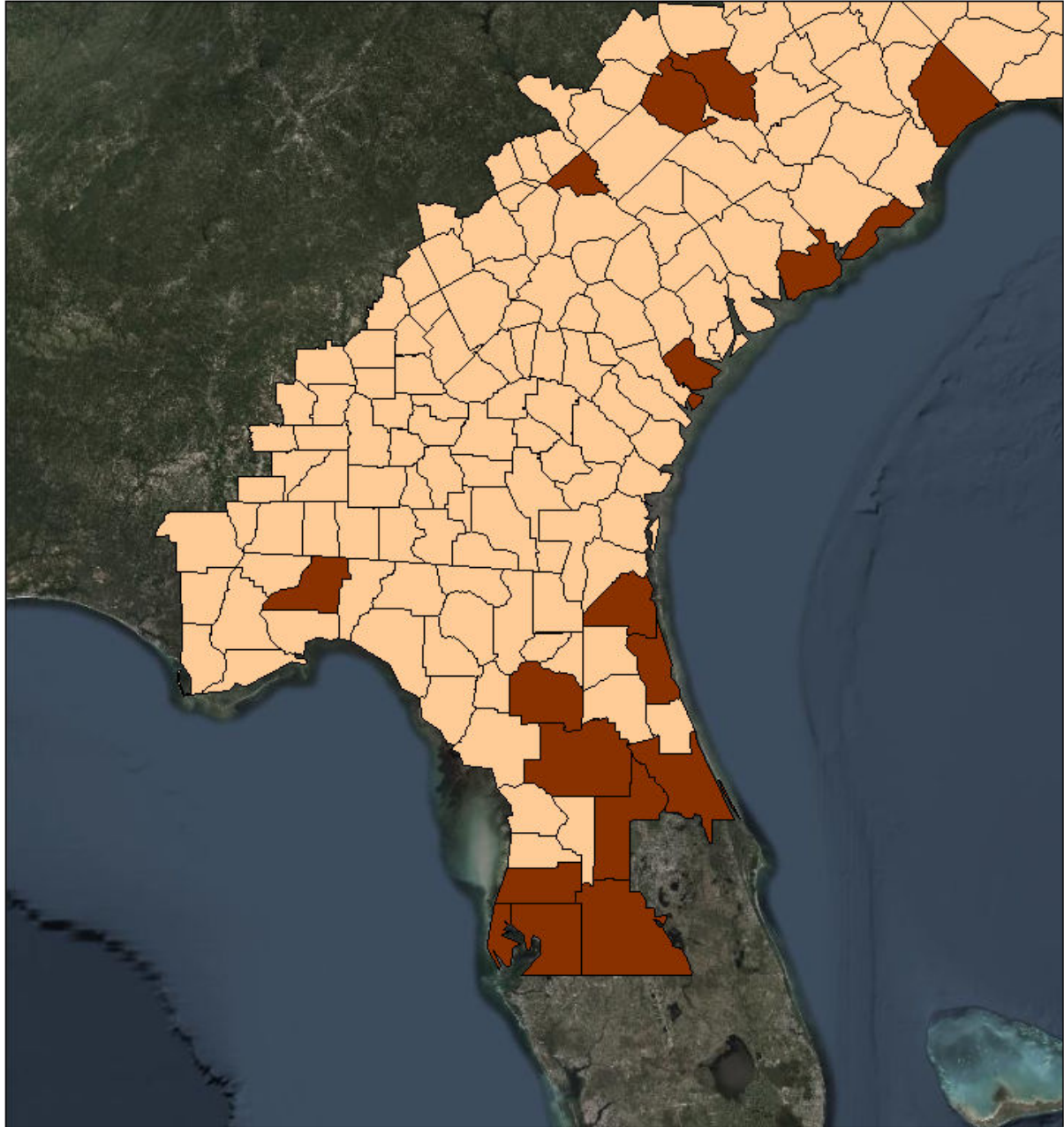
- < 25,000 persons
- 25,000 - 99,000 persons
- 100,000 - 174,999 persons
- 175,000 - 249,000 persons




Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

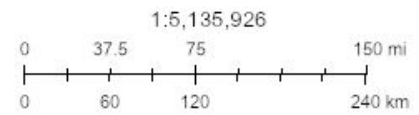
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# Households



## Households

-  < 7,500 Households
-  15,000 - 24,999 Households
-  25,000 - 49,999 Households



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

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## 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	23
Debris (cu. yd.)	1,071,945
Est. Temp. Roofing (units)	11,717
Act. Temp. Roofing (units)	3,867
Population	16,593,718
Households	6,046,445

Population Distribution	
Tropical Storm	13,281,425
Category 1	206,301
Category 2	98,696

<b>FLORIDA</b>	<b>Yds of Debris (597,598)</b>	<b>Est. Roof Units (5,663)</b>	<b>Act. Roof Units (1,869)</b>	<b>Population (7,910,952)</b>	<b>Households (2,927,910)</b>
Alachua	0	0	0	262,216	100,516
Baker	0	0	0	28,042	8,772
Bradford	0	0	0	26,996	9,479
Calhoun	0	0	0	14,630	5,061
Citrus	0	0	0	144,825	63,304
Clay	0	0	0	209,524	68,792
Columbia	6,496	96	32	69,419	24,941
Dixie	68,455	658	217	16,299	6,316
Duval	0	0	0	932,755	342,450
Flagler	0	0	0	108,166	39,186
Franklin	0	0	0	11,622	4,254
Gadsden	0	0	0	47,015	16,952
Gilchrist	0	0	0	17,436	6,121
Gulf	0	0	0	16,377	5,335
Hamilton	71,008	664	219	14,344	4,617
Hernando	0	0	0	182,273	71,745
Hillsborough	0	0	0	1,382,695	474,030
Jackson	0	0	0	50,086	17,417
Jefferson	0	0	0	14,547	5,646
Lafayette	46,009	417	138	8,476	2,580
Lake	0	0	0	339,742	121,289
Leon	0	0	0	288,630	110,945
Levy	0	0	0	41,097	16,404
Liberty	0	0	0	8,737	2,525
Madison	71,927	705	233	18,862	6,985
Marion	0	0	0	350,915	137,726
Nassau	0	0	0	80,628	28,794
Pasco	0	0	0	512,082	189,612
Pinellas	0	0	0	968,279	415,876
Polk	0	0	0	662,431	227,485
Putnam	0	0	0	74,098	29,409
St. Johns	0	0	0	238,439	75,338
Sumter	0	0	0	125,329	41,361
Suwannee	219,646	2,077	685	44,733	15,953
Taylor	114,057	1,046	345	22,641	7,920
Union	0	0	0	15,704	4,048
Volusia	0	0	0	528,719	208,236
Wakulla	0	0	0	32,143	10,490

<b>GEORGIA</b>	<b>Yds of Debris (474,347)</b>	<b>Est. Roof Units (6,053)</b>	<b>Act. Roof Units (1,998)</b>	<b>Population (2,531,910)</b>	<b>Households (901,293)</b>
Appling	30,044	444	147	18,451	6,969
Atkinson	12,986	192	63	9,278	2,983

NAME	2021	2020	2019	2018	2017
Bacon	21,364	316	104	11,414	4,214
Baker	0	0	0	3,429	1,372
Baldwin	0	0	0	46,287	16,788
Ben Hill	0	0	0	17,395	6,794
Berrien	6,069	90	30	19,179	7,443
Bleckley	0	0	0	13,279	4,660
Brantley	0	0	0	18,729	6,885
Brooks	1,384	20	7	15,810	6,457
Bryan	0	0	0	37,469	10,738
Bulloch	0	0	0	73,263	25,575
Burke	0	0	0	22,837	8,533
Calhoun	0	0	0	6,571	2,002
Camden	0	0	0	53,037	18,047
Candler	0	0	0	10,868	4,041
Charlton	0	0	0	13,121	3,927
Chatham	0	0	0	292,686	103,038
Clinch	24,170	250	83	6,915	2,572
Coffee	25,241	373	123	44,088	14,817
Colquitt	0	0	0	46,507	16,317
Columbia	0	0	0	153,260	44,898
Cook	0	0	0	17,974	6,339
Crisp	0	0	0	22,712	9,079
Decatur	0	0	0	27,294	10,390
Dodge	0	0	0	21,017	8,177
Dooly	0	0	0	14,262	5,286
Dougherty	0	0	0	91,478	36,508
Echols	22,353	206	68	4,137	1,329
Effingham	0	0	0	60,602	18,092
Emanuel	0	0	0	23,103	8,430
Evans	0	0	0	11,202	4,033
Glascock	0	0	0	3,091	1,162
Glynn	0	0	0	84,625	31,774
Grady	0	0	0	25,489	9,418
Houston	0	0	0	151,755	53,051
Irwin	0	0	0	9,302	3,495
Jeff Davis	1,854	27	9	15,280	5,689
Jefferson	0	0	0	16,389	6,241
Jenkins	0	0	0	9,170	3,192
Johnson	0	0	0	9,742	3,347
Lanier	22,726	301	99	10,158	3,608
Laurens	0	0	0	48,971	18,641
Lee	0	0	0	30,338	9,706
Liberty	0	0	0	64,510	22,155

Long	0	0	0	18,728	5,023
Lowndes	248,964	2,986	985	114,022	39,747
McDuffie	0	0	0	21,779	8,289
McIntosh	0	0	0	13,862	5,971
Miller	0	0	0	5,954	2,426
Mitchell	0	0	0	22,950	8,055
Montgomery	0	0	0	9,422	3,287
Pierce	6,845	101	33	19,286	7,083
Pulaski	0	0	0	11,659	4,475
Richmond	0	0	0	204,200	76,924
Screven	0	0	0	14,427	5,596
Seminole	0	0	0	8,594	3,509
Sumter	0	0	0	31,626	12,123
Tattnall	13,420	199	66	25,147	8,210
Telfair	0	0	0	16,196	5,543
Terrell	0	0	0	9,379	3,519
Thomas	0	0	0	46,458	17,573
Tift	0	0	0	41,027	14,836
Toombs	3,005	44	15	27,659	10,375
Treutlen	0	0	0	6,916	2,543
Turner	0	0	0	8,624	3,339
Twiggs	0	0	0	8,413	3,634
Ware	32,918	487	161	35,094	13,654
Warren	0	0	0	5,524	2,315
Washington	0	0	0	21,289	7,547
Wayne	1,007	15	5	29,612	10,562
Wheeler	0	0	0	7,905	2,152
Wilcox	0	0	0	9,288	2,891
Wilkinson	0	0	0	9,285	3,666
Worth	0	0	0	21,111	8,214



<b>NORTH CAROLINA</b>	<b>Yds of Debris (0)</b>	<b>Est. Roof Units (0)</b>	<b>Act. Roof Units (0)</b>	<b>Population (2,867,490)</b>	<b>Households (1,046,866)</b>
Anson	0	0	0	26,294	9,755
Beaufort	0	0	0	49,465	19,941
Bertie	0	0	0	21,231	8,359
Bladen	0	0	0	35,031	14,430
Brunswick	0	0	0	129,300	46,297
Camden	0	0	0	10,475	3,675
Carteret	0	0	0	71,014	28,870
Chowan	0	0	0	14,733	6,059
Columbus	0	0	0	57,071	22,489
Craven	0	0	0	105,595	40,299
Cumberland	0	0	0	329,248	122,431
Currituck	0	0	0	26,415	8,880
Dare	0	0	0	36,888	14,335
Duplin	0	0	0	60,130	22,495
Edgecombe	0	0	0	54,425	21,680
Greene	0	0	0	21,226	7,313
Harnett	0	0	0	133,215	41,594
Hoke	0	0	0	53,518	16,532
Hyde	0	0	0	5,432	2,119
Johnston	0	0	0	192,615	61,909
Jones	0	0	0	10,345	4,167
Lenoir	0	0	0	58,621	24,327
Martin	0	0	0	23,847	10,318
Moore	0	0	0	97,517	37,540
New Hanover	0	0	0	225,895	86,046
Onslow	0	0	0	201,435	60,092
Pamlico	0	0	0	13,920	5,490
Pasquotank	0	0	0	40,108	14,956
Pender	0	0	0	59,850	20,333
Perquimans	0	0	0	13,662	5,598
Pitt	0	0	0	177,895	67,577
Richmond	0	0	0	46,534	18,430
Robeson	0	0	0	136,600	47,997
Sampson	0	0	0	65,148	24,005
Scotland	0	0	0	36,435	13,614
Tyrrell	0	0	0	4,199	1,595
Washington	0	0	0	12,442	5,526
Wayne	0	0	0	126,520	47,831
Wilson	0	0	0	83,196	31,962

<b>SOUTH CAROLINA</b>	<b>Yds of Debris (0)</b>	<b>Est. Roof Units (0)</b>	<b>Act. Roof Units (0)</b>	<b>Population (3,283,366)</b>	<b>Households (1,170,376)</b>
Aiken	0	0	0	170,230	64,253
Allendale	0	0	0	9,774	3,706
Bamberg	0	0	0	15,050	6,048
Barnwell	0	0	0	21,937	8,937
Beaufort	0	0	0	187,450	64,945
Berkeley	0	0	0	207,154	65,419
Calhoun	0	0	0	14,883	6,080
Charleston	0	0	0	403,176	144,309
Chesterfield	0	0	0	46,695	18,173
Clarendon	0	0	0	34,844	13,132
Colleton	0	0	0	38,408	15,131
Darlington	0	0	0	67,941	26,531
Dillon	0	0	0	31,456	11,923
Dorchester	0	0	0	157,283	50,259
Edgefield	0	0	0	27,396	9,348
Fairfield	0	0	0	23,515	9,419
Florence	0	0	0	140,540	52,653
Georgetown	0	0	0	62,847	24,524
Hampton	0	0	0	21,006	7,598
Horry	0	0	0	327,500	112,225
Jasper	0	0	0	30,101	8,517
Kershaw	0	0	0	64,654	23,928
Lancaster	0	0	0	90,715	29,697
Lee	0	0	0	18,136	6,797
Lexington	0	0	0	291,357	102,733
Marion	0	0	0	32,432	13,058
Marlboro	0	0	0	28,023	10,383
McCormick	0	0	0	9,946	4,027
Newberry	0	0	0	38,634	14,709
Orangeburg	0	0	0	91,282	35,788
Richland	0	0	0	416,367	145,194
Saluda	0	0	0	20,270	7,527
Sumter	0	0	0	109,033	40,398
Williamsburg	0	0	0	33,331	13,007

## Critical Infrastructure (old)

Summary			
Total Critical Facilities		0	
Power Requirements (kW)		0.0	
Range (kW)			
Communications	# FED Gen Req	Range (kW)	Req kW
AM Antennas (0)	0.0	35 - 75	0.0
Cellular Towers (0)	0.0	35 - 75	0.0
FM Antennas (0)	0.0	35 - 75	0.0
Education	# FED Gen Req	Range (kW)	Req kW
Private Schools (0)	0.0	200 - 300	0.0
Public Schools (0)	0.0	200 - 300	0.0
Colleges and Universities (0)	0.0	200 - 300	0.0
Emergency Services	# FED Gen Req	Range (kW)	Req kW
911 Call Centers (0)	0.0	15 - 35	0.0
Emergency Medical Service (0)	0.0	15 - 35	0.0
Fire Stations (0)	0.0	15 - 35	0.0
Service Providers (0)	0.0	0 - 0	0.0
Healthcare	# FED Gen Req	Range (kW)	Req kW
Nursing Homes (0)	0.0	35 - 100	0.0
Hospitals (0)	0.0	800 - 2000	0.0
Urgent Care Facilities (0)	0.0	200 - 300	0.0
Military	# FED Gen Req	Range (kW)	Req kW
Air National Guard (ANG) Sites (0)	0.0	15 - 35	0.0
Army National Guard (ARNG) Sites (0)	0.0	15 - 35	0.0
National Security Government Military Facilities (0)	0.0	15 - 35	0.0
Law Enforcement	# FED Gen Req	Range (kW)	Req kW
Prison Points (0)	0.0	400 - 600	0.0
Local Police (0)	0.0	15 - 35	0.0
State Police (0)	0.0	15 - 35	0.0
Correctional Facilities (0)	0.0	400 - 600	0.0
State and Local EOC	# FED Gen Req	Range (kW)	Req kW
Local Emergency Operations Centers (0)	0.0	15 - 40	0.0
State Emergency Operation Centers (EOCs) (0)	0.0	15 - 35	0.0

State Facilities	# FED Gen Req	Range (kW)	Req kW
Governors Mansion (0)	0.0	100 - 200	0.0
Major State Government Building (0)	0.0	100 - 200	0.0

Transportation	# FED Gen Req	Range (kW)	Req kW
Ports (0)	0.0	600 - 1200	0.0
Amtrak Stations (0)	0.0	100 - 300	0.0
Bus Stations (0)	0.0	100 - 300	0.0
Intermodal Terminal Facilities (0)	0.0	100 - 300	0.0
Railroad Stations (0)	0.0	100 - 300	0.0
Public-Use Airports (0)	0.0	40 - 100	0.0

Water	# FED Gen Req	Range (kW)	Req kW
Water Treatment Facilities (0)	0.0	800 - 2000	0.0
Wastewater Treatment Plants (0)	0.0	800 - 2000	0.0

Report Generated by SimSuite

<https://simsuite.usace.army.mil/wab/v2.15/MissionModels/index.html#advId=261&oid=84&name=Hurricane%20Ian&advisory=Advisory%20%237&advlf=G>