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Hurricane Ian Advisory #13

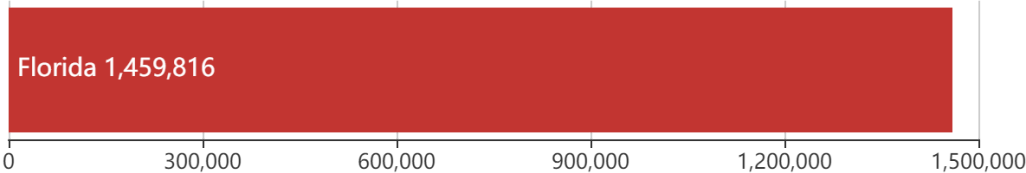
For Planning Purposes Only!

WASHINGTON, DC	CHICAGO	LOS ANGELES
07:33:09	06:33:09	04:33:09
26 Sep 2022	26 Sep 2022	26 Sep 2022

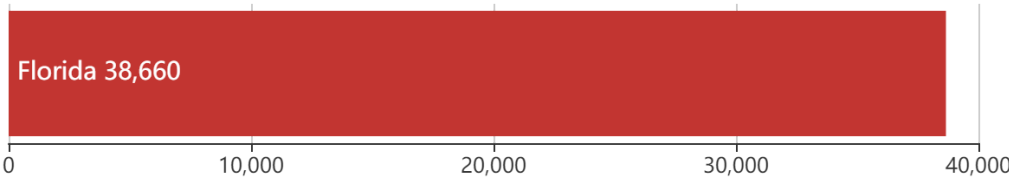
<https://simsuite.usace.army.mil/wab/v2.15/MissionModels/index.html#advid=265&oid=84&name=Hurricane%20Ian&advisory=Advisory%20%2313&advlf=G>

Updated as of 26 Sep 2022 (6:33 AM Central Daylight Time)

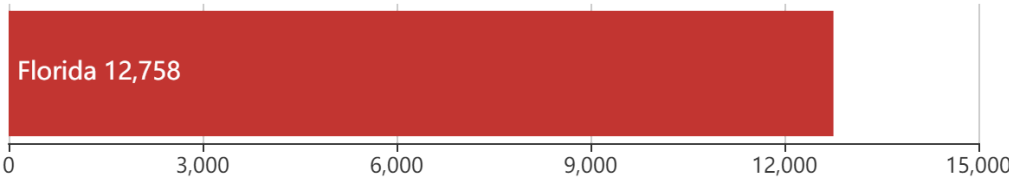
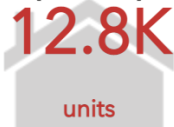
Debris



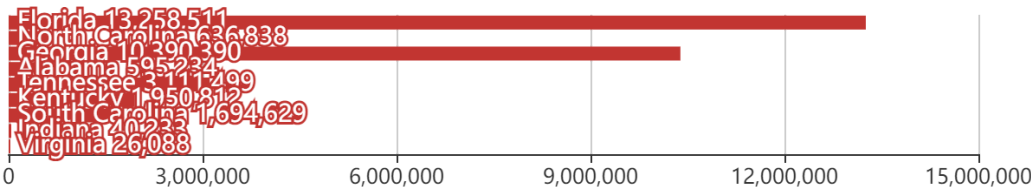
Temp. Roofing (eligible)



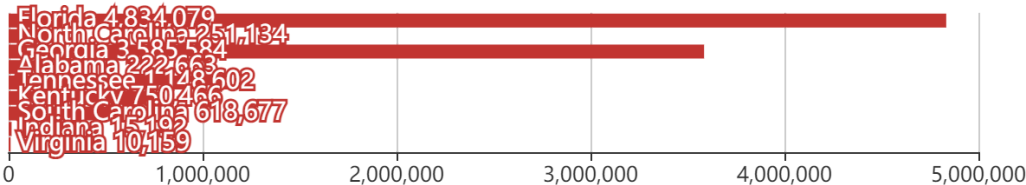
Temp. Roofing (actual)



Population



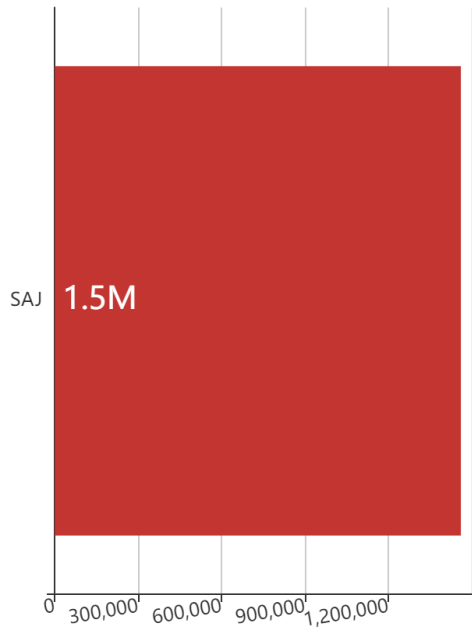
Households



Mission Model Summary

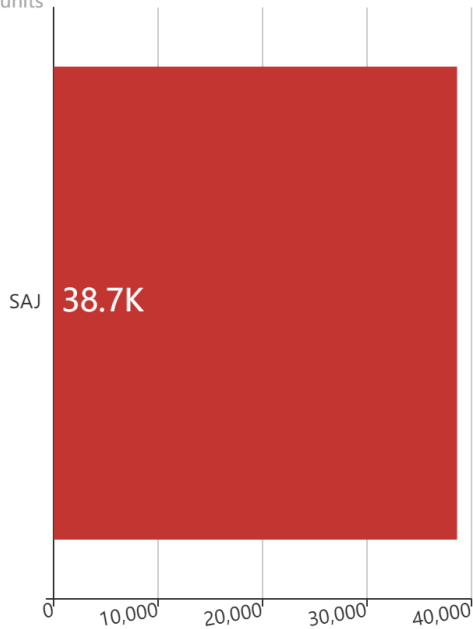
Debris By USACE District

cu. yd.

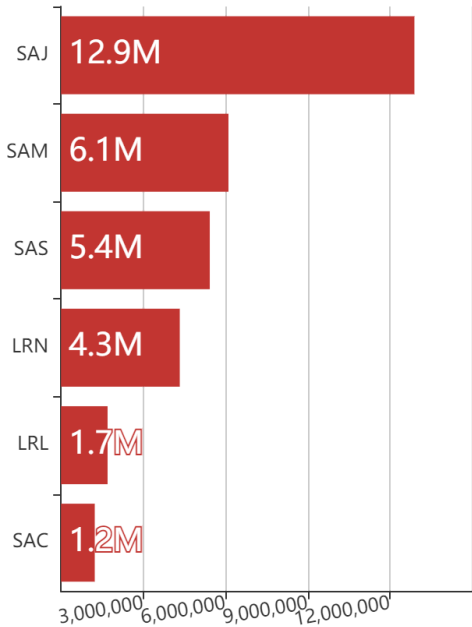


Est. Temp. Roofing By USACE District

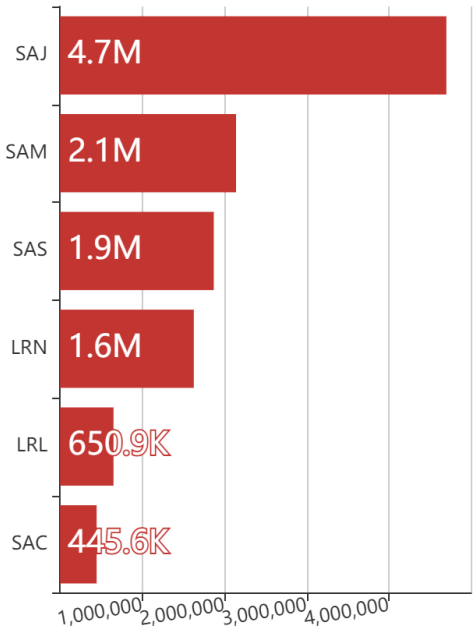
units



Population By USACE District



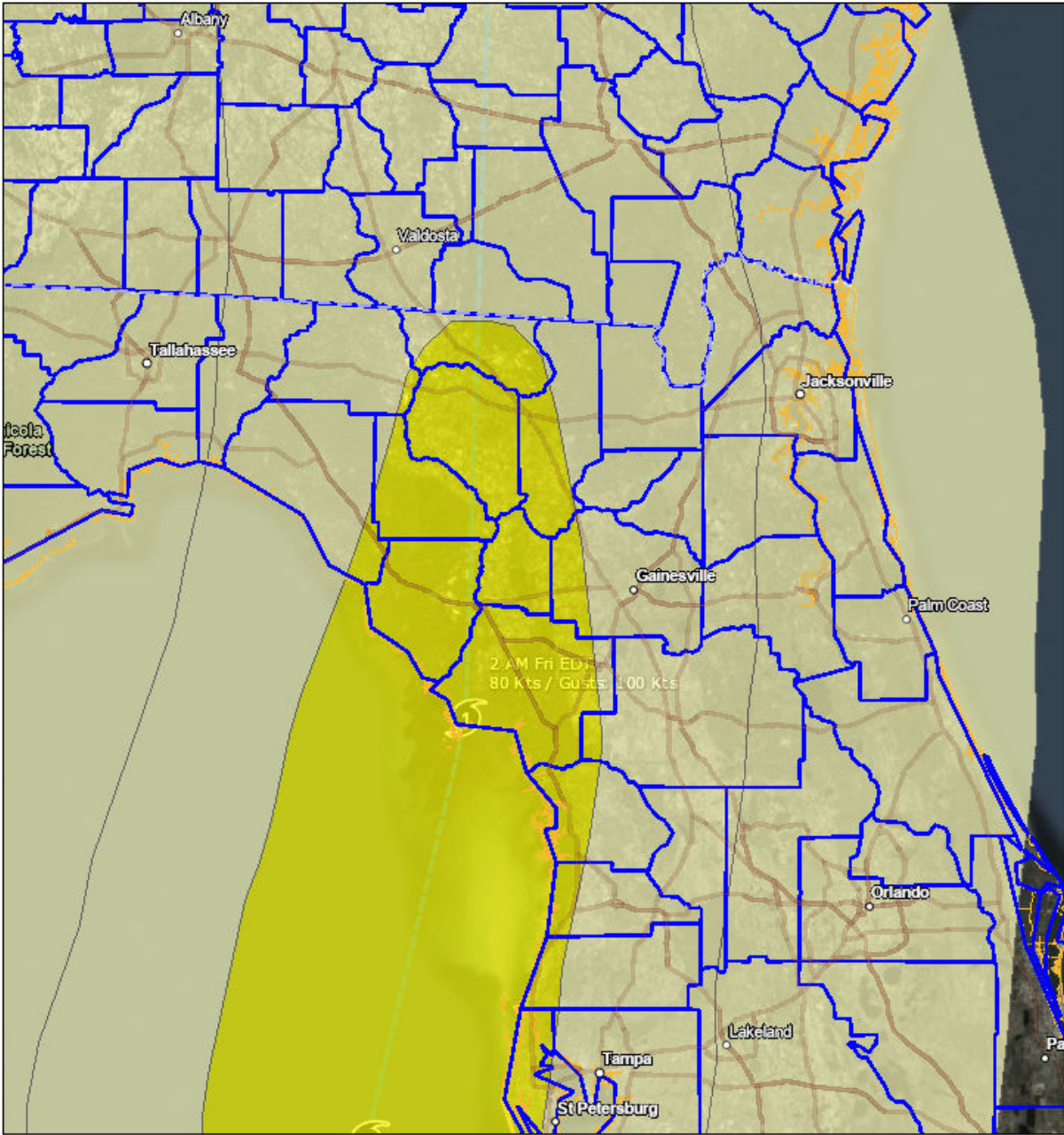
Households By USACE District



Critical Infrastructure Summary



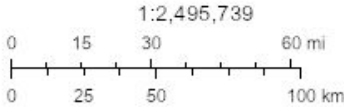
Letter ANSI A Portrait



- Counties
- State Boundaries
- Mission Model Swaths
- TS
- Cat 1

Tropical Cyclone Observed Surface Wind Swath

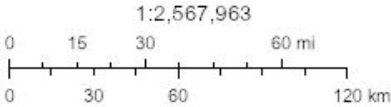
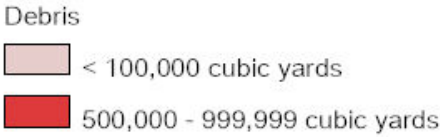
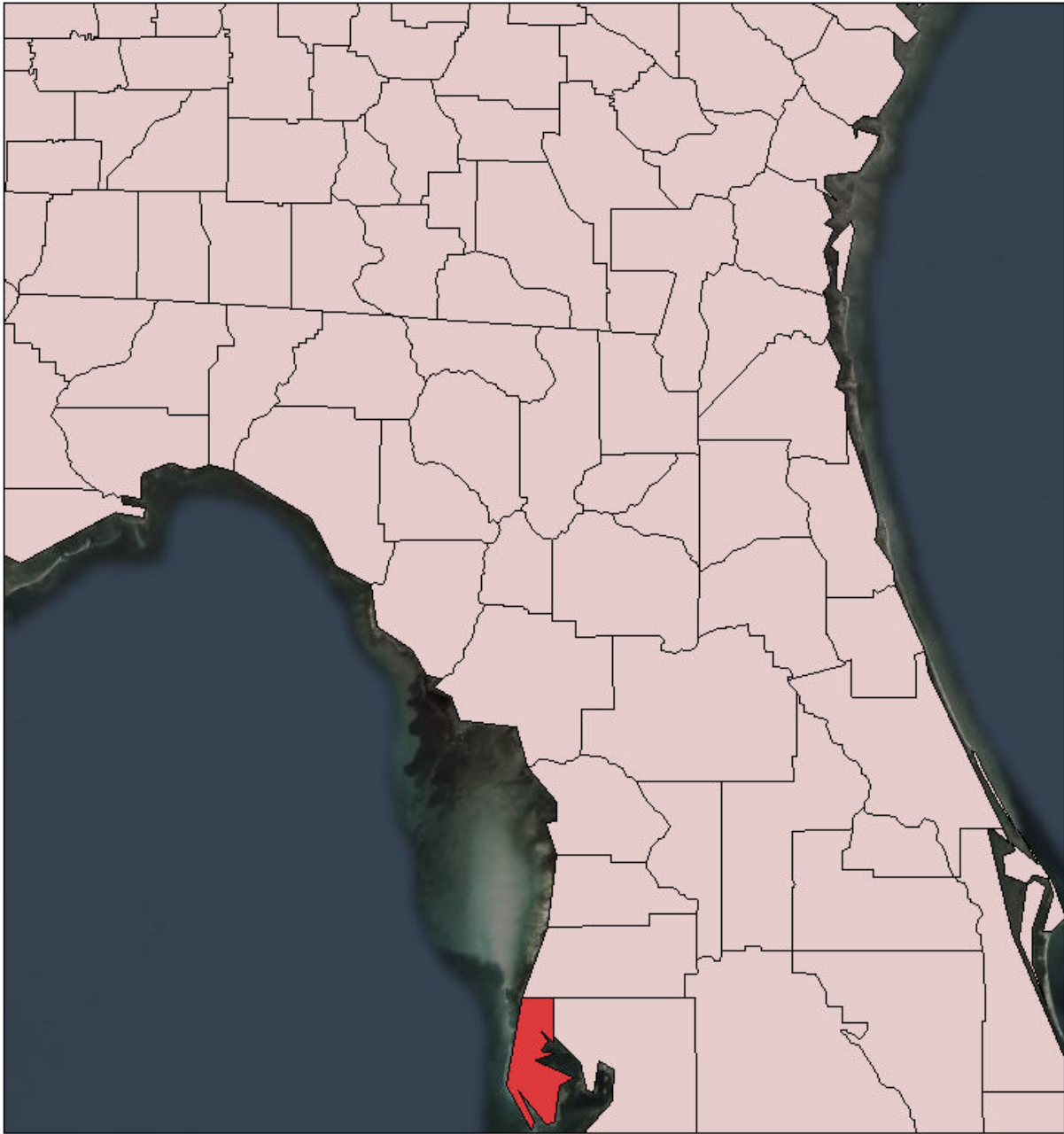
- Observed (Best Track) Winds >= 34 knots (39 mph)



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

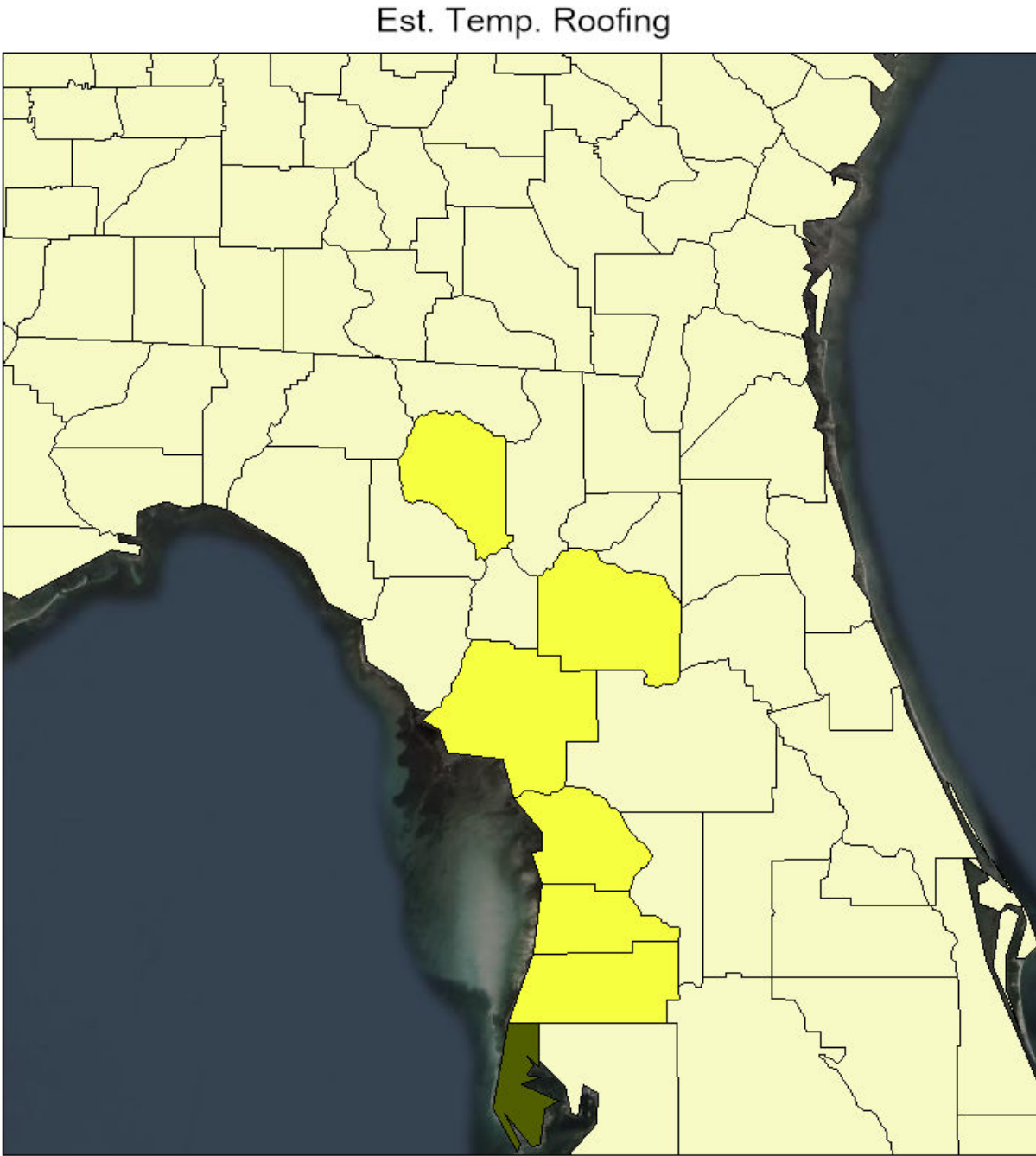
Created by SimSuite

Debris



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

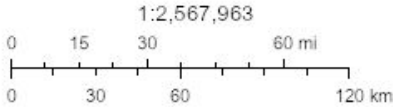
Created by SimSuite



Est. Temp. Roofing

< 1000 units

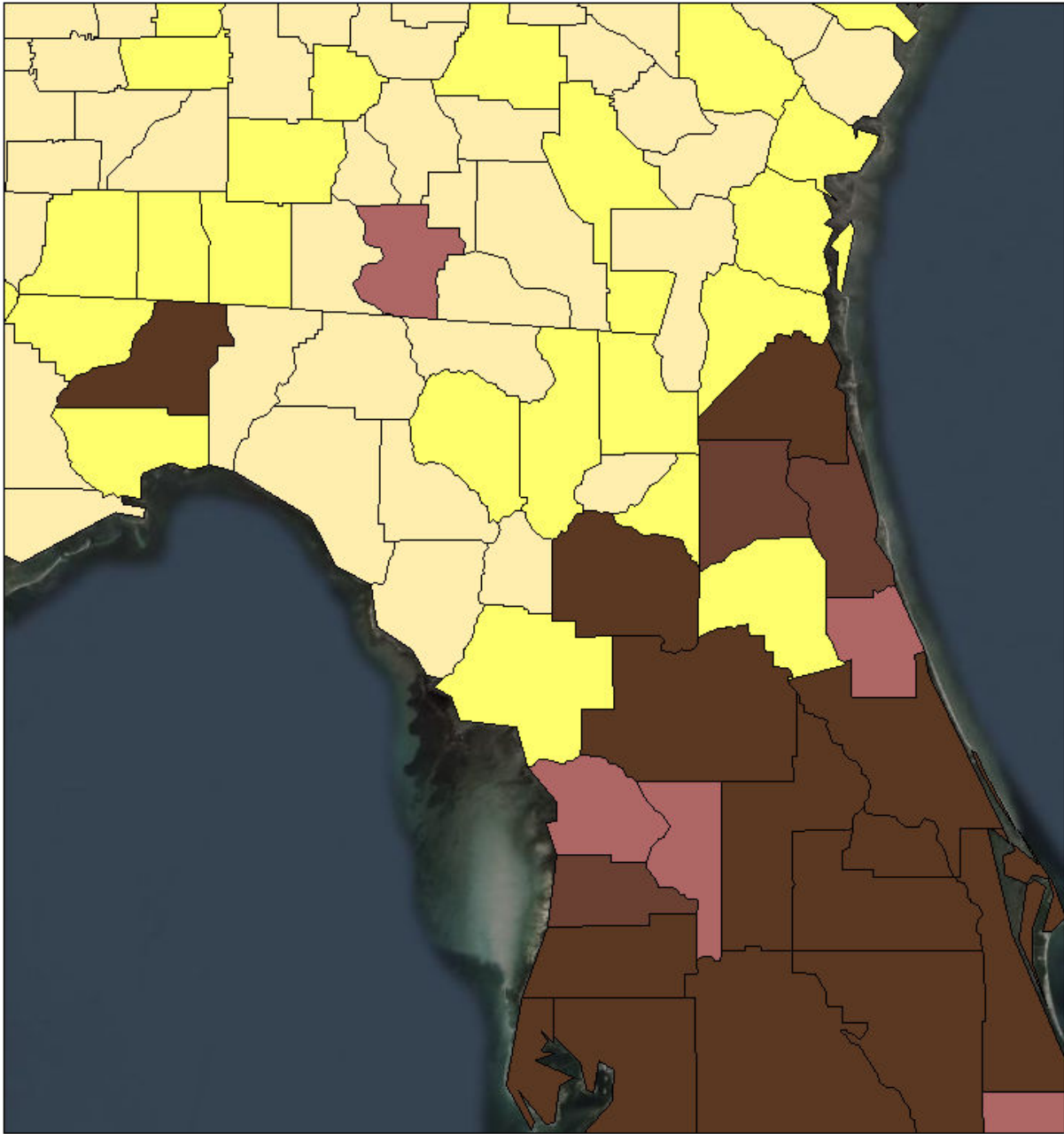
1000 - 4999 units



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

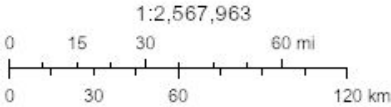
Created by SimSuite

Population



Population

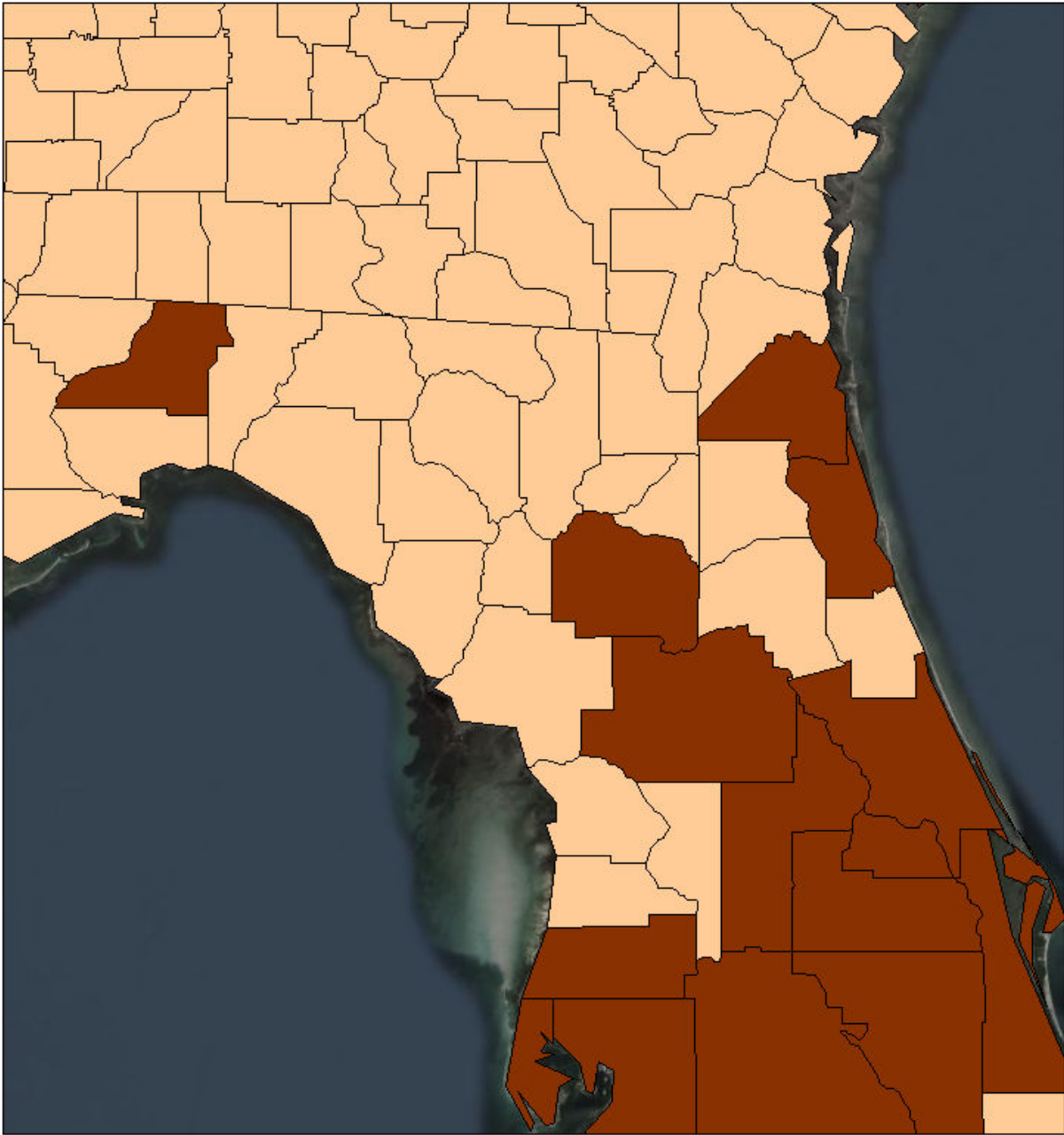
- < 25,000 persons
- 25,000 - 99,000 persons
- 100,000 - 174,999 persons
- 175,000 - 249,000 persons



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

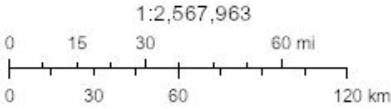
Created by SimSuite

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

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		16			
Debris (cu. yd.)		1,459,816			
Est. Temp. Roofing (units)		38,660			
Act. Temp. Roofing (units)		12,758			
Population		31,704,234			
Households		11,436,556			
Population Distribution					
Tropical Storm		35,024,433			
Category 1		1,248,341			
ALABAMA	Yds of Debris (0)	Est. Roof Units (0)	Act. Roof Units (0)	Population (595,234)	Households (222,663)
Barbour	0	0	0	27,072	9,820
Chambers	0	0	0	34,225	13,933
Cherokee	0	0	0	25,853	10,626
Cleburne	0	0	0	15,154	5,891
DeKalb	0	0	0	72,113	26,842
Henry	0	0	0	17,565	6,994
Houston	0	0	0	106,275	40,969
Jackson	0	0	0	53,404	21,513
Lee	0	0	0	160,403	55,682
Randolph	0	0	0	22,870	9,164
Russell	0	0	0	60,300	21,229
FLORIDA	Yds of Debris (1,459,816)	Est. Roof Units (38,660)	Act. Roof Units (12,758)	Population (13,258,511)	Households (4,834,079)
Alachua	58,130	1,539	508	262,216	100,516
Baker	0	0	0	28,042	8,772
Bay	0	0	0	180,035	68,438
Bradford	0	0	0	26,996	9,479
Brevard	0	0	0	578,927	229,692
Calhoun	0	0	0	14,630	5,061
Charlotte	0	0	0	173,978	73,370
Citrus	77,968	2,065	681	144,825	63,304
Clay	0	0	0	209,524	68,792
Collier	0	0	0	368,652	133,179
Columbia	32,606	864	285	69,419	24,941
DeSoto	0	0	0	36,506	11,445

Dixie	17,887	474	156	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	17,335	459	151	17,436	6,121
Glades	0	0	0	13,588	4,533
Gulf	0	0	0	16,377	5,335
Hamilton	8,968	237	78	14,344	4,617
Hardee	0	0	0	28,518	8,245
Hendry	0	0	0	39,553	12,025
Hernando	45,944	1,217	402	182,273	71,745
Highlands	0	0	0	102,012	42,604
Hillsborough	8,436	223	74	1,382,695	474,030
Indian River	0	0	0	149,718	60,176
Jackson	0	0	0	50,086	17,417
Jefferson	0	0	0	14,547	5,646
Lafayette	6,626	175	58	8,476	2,580
Lake	0	0	0	339,742	121,289
Lee	0	0	0	720,426	259,818
Leon	0	0	0	288,630	110,945
Levy	43,137	1,142	377	41,097	16,404
Liberty	0	0	0	8,737	2,525
Madison	903	24	8	18,862	6,985
Manatee	0	0	0	376,566	135,729
Marion	13,015	345	114	350,915	137,726
Nassau	0	0	0	80,628	28,794
Okeechobee	0	0	0	39,837	14,013
Orange	0	0	0	1,332,714	421,847
Osceola	0	0	0	333,980	90,603
Pasco	89,680	2,375	784	512,082	189,612
Pinellas	991,820	26,266	8,668	968,279	415,876
Polk	0	0	0	662,431	227,485
Putnam	0	0	0	74,098	29,409
Sarasota	0	0	0	414,899	175,746
Seminole	0	0	0	457,650	164,706
St. Johns	0	0	0	238,439	75,338
Sumter	0	0	0	125,329	41,361
Suwannee	45,179	1,196	395	44,733	15,953
Taylor	2,183	58	19	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

GEORGIA	Yds of Debris (0)	Est. Roof Units (0)	Act. Roof Units (0)	Population (10,390,390)	Households (3,585,584)
Appling	0	0	0	18,451	6,969
Atkinson	0	0	0	9,278	2,983
Bacon	0	0	0	11,414	4,214
Baker	0	0	0	3,429	1,372
Baldwin	0	0	0	46,287	16,788
Banks	0	0	0	18,777	6,700
Barrow	0	0	0	77,579	23,971
Bartow	0	0	0	103,862	35,782
Ben Hill	0	0	0	17,395	6,794
Berrien	0	0	0	19,179	7,443
Bibb	0	0	0	155,460	60,295
Bleckley	0	0	0	13,279	4,660
Brantley	0	0	0	18,729	6,885
Brooks	0	0	0	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
Butts	0	0	0	24,060	7,881
Calhoun	0	0	0	6,571	2,002
Camden	0	0	0	53,037	18,047
Candler	0	0	0	10,868	4,041
Carroll	0	0	0	115,825	39,187
Catoosa	0	0	0	67,105	24,475
Charlton	0	0	0	13,121	3,927
Chatham	0	0	0	292,686	103,038
Chattahoochee	0	0	0	11,365	2,686
Chattooga	0	0	0	25,285	9,548
Cherokee	0	0	0	243,136	75,936
Clarke	0	0	0	128,419	45,414
Clay	0	0	0	3,110	1,331
Clayton	0	0	0	276,308	90,633
Clinch	0	0	0	6,915	2,572
Cobb	0	0	0	750,357	260,056
Coffee	0	0	0	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
Coweta	0	0	0	141,554	45,673
Crawford	0	0	0	12,404	4,822
Crisp	0	0	0	22,712	9,079
Dade	0	0	0	16,480	6,291
Dawson	0	0	0	24,006	8,433

Decatur	0	0	0	27,294	10,390
DeKalb	0	0	0	735,282	271,809
Dodge	0	0	0	21,017	8,177
Dooly	0	0	0	14,262	5,286
Dougherty	0	0	0	91,478	36,508
Douglas	0	0	0	141,880	46,624
Early	0	0	0	10,702	4,228
Echols	0	0	0	4,137	1,329
Effingham	0	0	0	60,602	18,092
Elbert	0	0	0	19,668	8,063
Emanuel	0	0	0	23,103	8,430
Evans	0	0	0	11,202	4,033
Fannin	0	0	0	25,575	10,187
Fayette	0	0	0	112,893	38,167
Floyd	0	0	0	97,725	35,930
Forsyth	0	0	0	228,348	59,433
Franklin	0	0	0	22,494	8,540
Fulton	0	0	0	1,022,768	376,377
Gilmer	0	0	0	30,516	11,314
Glascocock	0	0	0	3,091	1,162
Glynn	0	0	0	84,625	31,774
Gordon	0	0	0	57,237	19,715
Grady	0	0	0	25,489	9,418
Greene	0	0	0	17,316	6,519
Gwinnett	0	0	0	911,881	268,519
Habersham	0	0	0	45,088	15,472
Hall	0	0	0	195,340	60,691
Hancock	0	0	0	8,500	3,341
Haralson	0	0	0	29,121	10,757
Harris	0	0	0	34,450	11,823
Hart	0	0	0	25,482	10,121
Heard	0	0	0	11,568	4,400
Henry	0	0	0	224,077	70,255
Houston	0	0	0	151,755	53,051
Irwin	0	0	0	9,302	3,495
Jackson	0	0	0	65,820	21,343
Jasper	0	0	0	13,773	5,044
Jeff Davis	0	0	0	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
Jones	0	0	0	28,632	10,586
Lamar	0	0	0	18,260	6,618
Lanier	0	0	0	10,450	3,600

Lanier	0	0	0	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
Lincoln	0	0	0	7,814	3,281
Long	0	0	0	18,728	5,023
Lowndes	0	0	0	114,022	39,747
Lumpkin	0	0	0	31,640	10,989
Macon	0	0	0	13,638	4,999
Madison	0	0	0	28,952	10,508
Marion	0	0	0	9,044	3,420
McDuffie	0	0	0	21,779	8,289
McIntosh	0	0	0	13,862	5,971
Meriwether	0	0	0	22,428	8,522
Miller	0	0	0	5,954	2,426
Mitchell	0	0	0	22,950	8,055
Monroe	0	0	0	27,242	9,662
Montgomery	0	0	0	9,422	3,287
Morgan	0	0	0	18,378	6,660
Murray	0	0	0	40,597	14,080
Muscogee	0	0	0	198,440	74,081
Newton	0	0	0	107,687	34,390
Oconee	0	0	0	36,936	11,622
Oglethorpe	0	0	0	15,499	5,647
Paulding	0	0	0	155,195	48,105
Peach	0	0	0	26,995	9,958
Pickens	0	0	0	31,228	11,291
Pierce	0	0	0	19,286	7,083
Pike	0	0	0	18,141	6,187
Polk	0	0	0	42,077	15,092
Pulaski	0	0	0	11,659	4,475
Putnam	0	0	0	21,541	8,601
Quitman	0	0	0	2,261	1,053
Rabun	0	0	0	16,775	6,780
Randolph	0	0	0	7,610	3,187
Richmond	0	0	0	204,200	76,924
Rockdale	0	0	0	90,118	30,027
Schley	0	0	0	5,240	1,872
Screven	0	0	0	14,427	5,596
Seminole	0	0	0	8,594	3,509
Spalding	0	0	0	65,511	23,565
Stephens	0	0	0	26,115	10,289
Stewart	0	0	0	5,798	1,862
Sumter	0	0	0	31,626	12,123

Talbot	0	0	0	6,624	2,832
Taliaferro	0	0	0	1,676	759
Tattnall	0	0	0	25,147	8,210
Taylor	0	0	0	8,521	3,522
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	0	0	0	27,659	10,375
Towns	0	0	0	11,684	4,510
Treutlen	0	0	0	6,916	2,543
Troup	0	0	0	70,560	24,828
Turner	0	0	0	8,624	3,339
Twiggs	0	0	0	8,413	3,634
Union	0	0	0	22,864	9,116
Upton	0	0	0	26,740	10,716
Walker	0	0	0	68,696	26,497
Walton	0	0	0	90,861	29,583
Ware	0	0	0	35,094	13,654
Warren	0	0	0	5,524	2,315
Washington	0	0	0	21,289	7,547
Wayne	0	0	0	29,612	10,562
Webster	0	0	0	2,833	1,119
Wheeler	0	0	0	7,905	2,152
White	0	0	0	28,834	10,646
Whitfield	0	0	0	105,863	35,180
Wilcox	0	0	0	9,288	2,891
Wilkes	0	0	0	10,336	4,263
Wilkinson	0	0	0	9,285	3,666
Worth	0	0	0	21,111	8,214

INDIANA	Yds of Debris (0)	Est. Roof Units (0)	Act. Roof Units (0)	Population (40,233)	Households (15,192)
Harrison	0	0	0	40,233	15,192

KENTUCKY	Yds of Debris (0)	Est. Roof Units (0)	Act. Roof Units (0)	Population (1,950,812)	Households (750,466)
Adair	0	0	0	19,379	7,285
Allen	0	0	0	20,693	7,848
Barren	0	0	0	44,555	16,999
Bell	0	0	0	28,330	11,787
Boyle	0	0	0	30,184	11,075
Breckinridge	0	0	0	20,557	7,827
Bullitt	0	0	0	81,109	27,673
Butler	0	0	0	13,243	5,057
Casey	0	0	0	16,278	6,351
Clinton	0	0	0	10,212	4,358
Cumberland	0	0	0	7,081	2,883
Edmonson	0	0	0	12,670	4,857
Grayson	0	0	0	26,513	10,082
Green	0	0	0	11,087	4,601
Hancock	0	0	0	8,847	3,285
Hardin	0	0	0	113,221	39,853
Hart	0	0	0	19,470	7,097
Jefferson	0	0	0	769,866	309,175
Knox	0	0	0	33,814	12,722
Larue	0	0	0	14,582	5,615
Laurel	0	0	0	60,168	23,014
Lincoln	0	0	0	25,275	9,777
Logan	0	0	0	27,521	10,666
Marion	0	0	0	19,466	7,358
McCreary	0	0	0	18,274	6,477
Meade	0	0	0	28,261	10,471
Mercer	0	0	0	21,511	8,682
Metcalfe	0	0	0	10,272	4,055
Monroe	0	0	0	10,644	4,509
Nelson	0	0	0	45,712	16,826
Ohio	0	0	0	24,643	9,176
Pulaski	0	0	0	63,880	25,722
Rockcastle	0	0	0	17,114	6,750
Russell	0	0	0	17,936	7,401
Simpson	0	0	0	18,540	6,753
Spencer	0	0	0	18,375	6,165
Taylor	0	0	0	25,706	9,832
Warren	0	0	0	126,313	43,674
Washington	0	0	0	11,906	4,507
Wayne	0	0	0	20,784	8,646
Whitley	0	0	0	36,820	13,575

NORTH CAROLINA	Yds of Debris (0)	Est. Roof Units (0)	Act. Roof Units (0)	Population (636,838)	Households (251,134)
Buncombe	0	0	0	261,655	100,412
Cherokee	0	0	0	28,342	11,753
Clay	0	0	0	10,929	4,660
Graham	0	0	0	8,792	3,701
Haywood	0	0	0	61,452	25,563
Henderson	0	0	0	116,799	45,448
Jackson	0	0	0	41,834	16,446
Macon	0	0	0	34,738	14,591
Madison	0	0	0	22,161	8,494
Swain	0	0	0	15,286	5,672
Transylvania	0	0	0	34,850	14,394

SOUTH CAROLINA	Yds of Debris (0)	Est. Roof Units (0)	Act. Roof Units (0)	Population (1,694,629)	Households (618,677)
Abbeville	0	0	0	25,238	9,990
Aiken	0	0	0	170,230	64,253
Allendale	0	0	0	9,774	3,706
Anderson	0	0	0	198,293	73,829
Barnwell	0	0	0	21,937	8,937
Edgefield	0	0	0	27,396	9,348
Greenville	0	0	0	506,457	176,531
Greenwood	0	0	0	70,166	27,547
Hampton	0	0	0	21,006	7,598
Laurens	0	0	0	67,718	25,525
McCormick	0	0	0	9,946	4,027
Newberry	0	0	0	38,634	14,709
Oconee	0	0	0	76,972	30,676
Pickens	0	0	0	124,779	45,228
Saluda	0	0	0	20,270	7,527
Spartanburg	0	0	0	305,813	109,246

TENNESSEE	Yds of Debris (0)	Est. Roof Units (0)	Act. Roof Units (0)	Population (3,111,499)	Households (1,148,602)
Anderson	0	0	0	77,305	31,253
Bledsoe	0	0	0	14,980	4,697
Blount	0	0	0	130,800	49,265
Bradley	0	0	0	106,351	37,947
Campbell	0	0	0	40,217	16,354
Cannon	0	0	0	14,014	5,472
Claiborne	0	0	0	33,158	12,853
Clay	0	0	0	7,814	3,358
Cocke	0	0	0	35,250	14,788
Coffee	0	0	0	54,979	20,926
Cumberland	0	0	0	58,594	23,791

County	0	0	0	00,000	20,000
DeKalb	0	0	0	19,331	7,420
Fentress	0	0	0	18,617	7,250
Franklin	0	0	0	42,048	16,011
Grainger	0	0	0	23,272	9,029
Greene	0	0	0	69,215	28,018
Grundy	0	0	0	14,109	5,405
Hamblen	0	0	0	63,908	24,560
Hamilton	0	0	0	361,101	136,682
Jackson	0	0	0	11,533	4,789
Jefferson	0	0	0	54,003	19,864
Knox	0	0	0	462,094	177,249
Loudon	0	0	0	52,794	19,826
Macon	0	0	0	23,463	8,561
Marion	0	0	0	29,334	11,403
McMinn	0	0	0	54,034	20,865
Meigs	0	0	0	12,101	4,686
Monroe	0	0	0	46,484	17,711
Morgan	0	0	0	22,310	7,692
Overton	0	0	0	22,661	8,820
Pickett	0	0	0	5,286	2,177
Polk	0	0	0	17,944	6,653
Putnam	0	0	0	75,765	28,930
Rhea	0	0	0	33,425	12,276
Roane	0	0	0	53,626	22,376
Robertson	0	0	0	69,308	24,197
Rutherford	0	0	0	306,969	96,232
Scott	0	0	0	22,837	8,671
Sequatchie	0	0	0	15,039	5,519
Sevier	0	0	0	97,256	35,343
Smith	0	0	0	19,643	7,410
Sumner	0	0	0	181,000	60,975
Trousdale	0	0	0	8,248	2,976
Union	0	0	0	19,608	7,391
Van Buren	0	0	0	5,888	2,246
Warren	0	0	0	40,525	15,850
White	0	0	0	26,837	10,272
Wilson	0	0	0	136,421	42,563

VIRGINIA	Yds of Debris (0)	Est. Roof Units (0)	Act. Roof Units (0)	Population (26,088)	Households (10,159)
Lee	0	0	0	26,088	10,159

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

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<https://simsuite.usace.army.mil/wab/v2.15/MissionModels/index.html#advid=265&oid=84&name=Hurricane%20Ian&advisory=Advisory%20%2313&advlf=G>