



Hurricane Ian Advisory #25

For Planning Purposes Only!

WASHINGTON, DC
17:44:26
28 Sep 2022

CHICAGO
16:44:26
28 Sep 2022

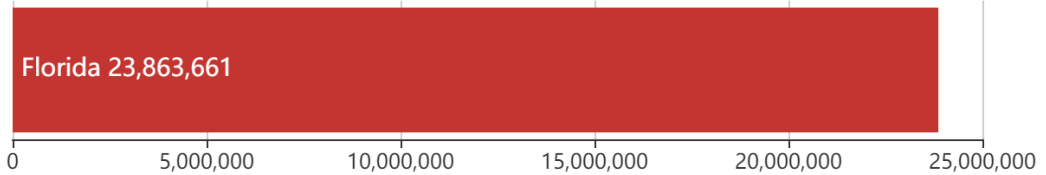
LOS ANGELES
14:44:26
28 Sep 2022

<https://simsuite.usace.army.mil/wab/v2.15/MissionModels/#advid=274&oid=84&name=Hurricane%20Ian&advisory=Advisory%20%2325&advlf=G>

Updated as of 28 Sep 2022 (4:44 PM Central Daylight Time)

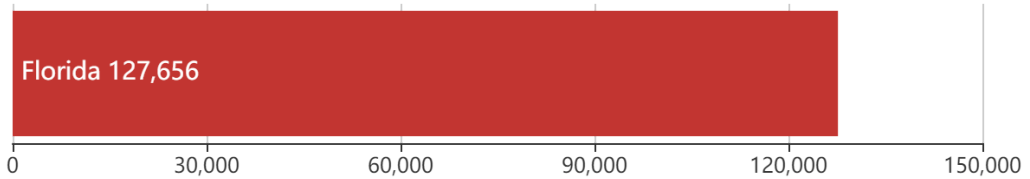
Debris

23.9M
cu. yd.



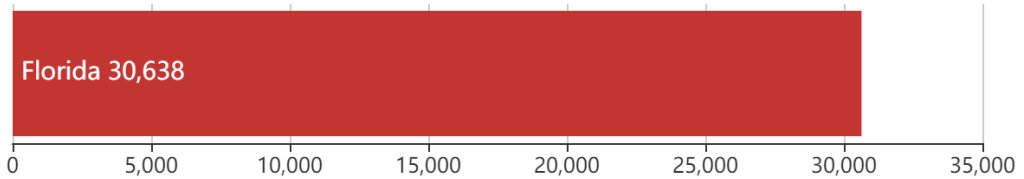
Est. Temp. Roofing

127.7K
units



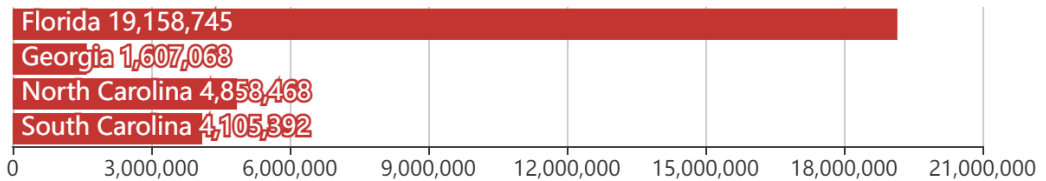
Act. Temp. Roofing

30.6K
units



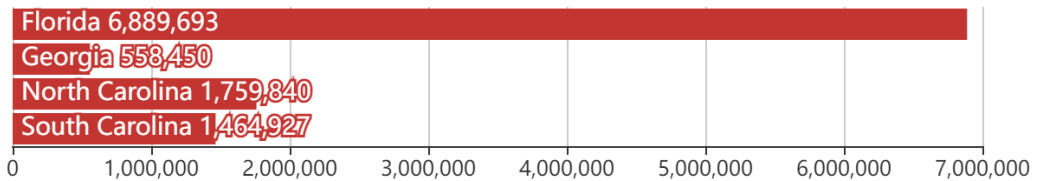
Population

29.7M
people



Households

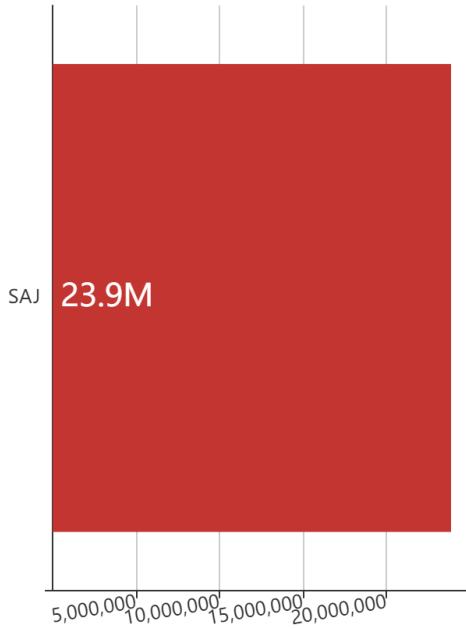
10.7M
households



Mission Model Summary

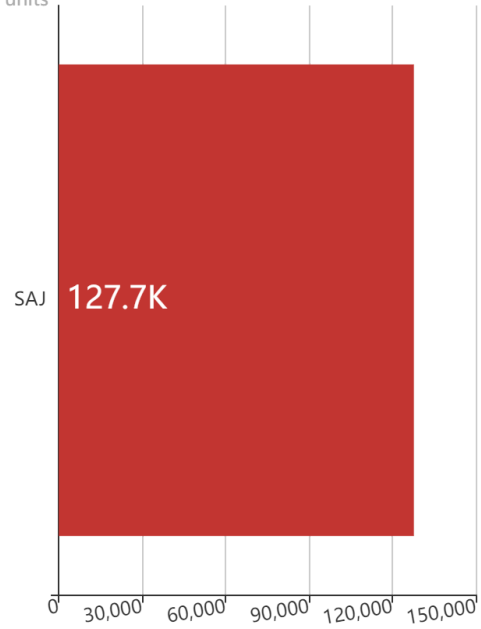
Debris By USACE District

cu. yd.

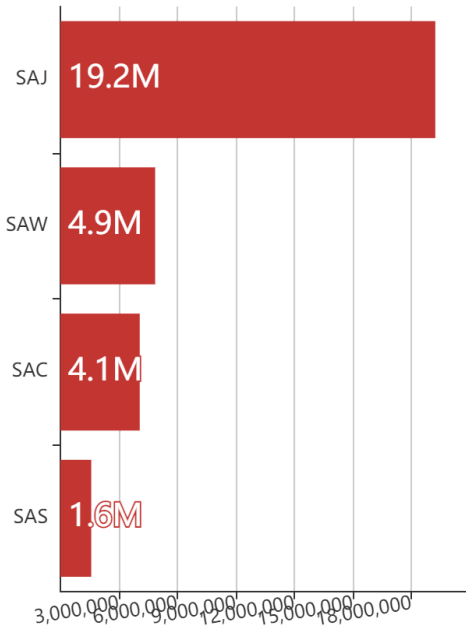


Est. Temp. Roofing By USACE District

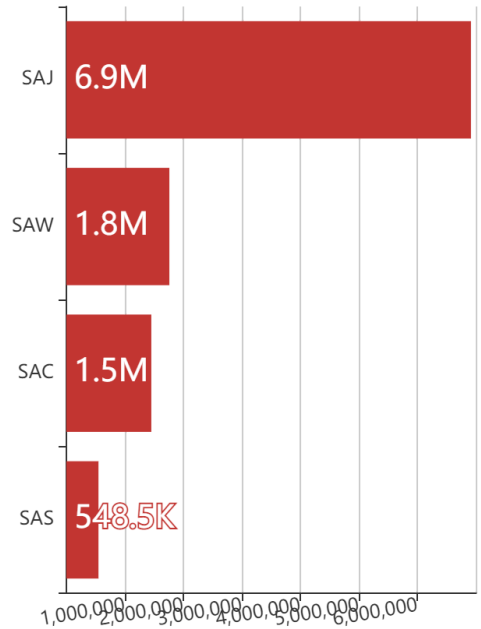
units



Population By USACE District



Households By USACE District



Critical Infrastructure Summary

Total

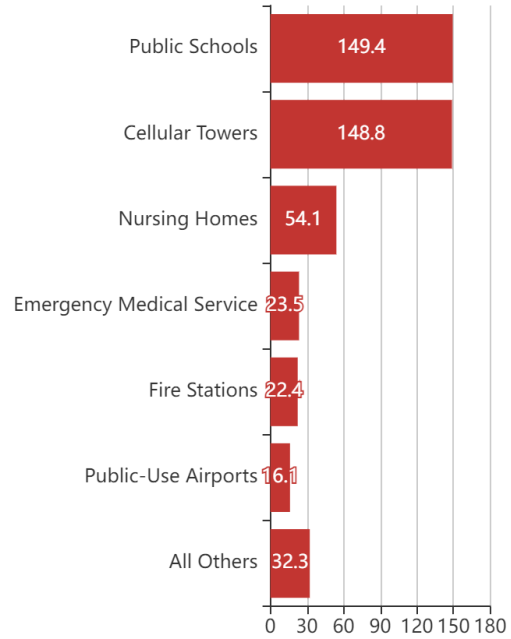


Power Requirements



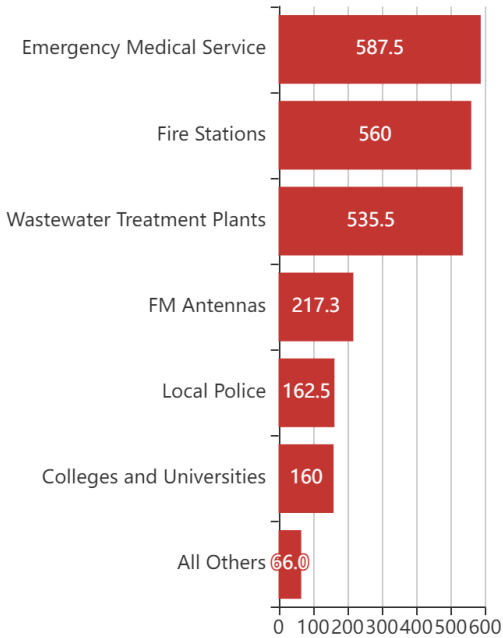
Generators

By Generator Count



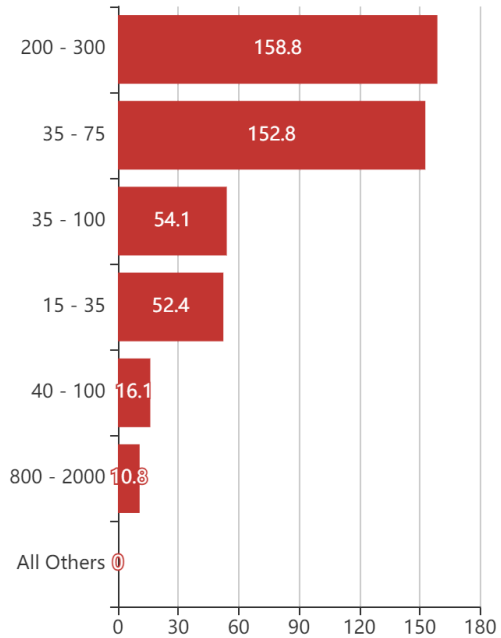
Generators

By Power Requirement



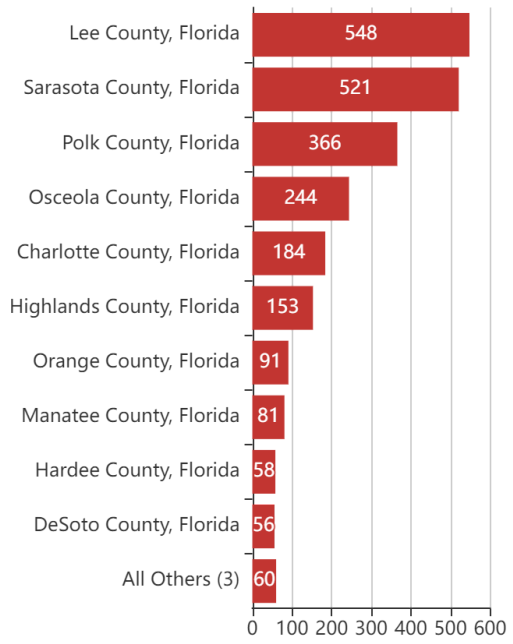
Generators

By Range



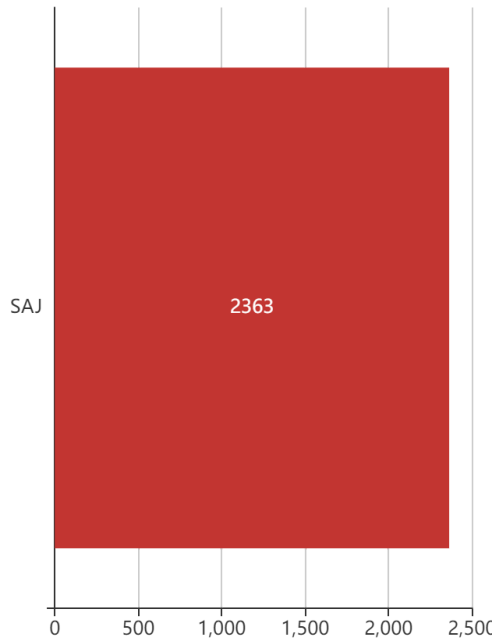
Structures

By County



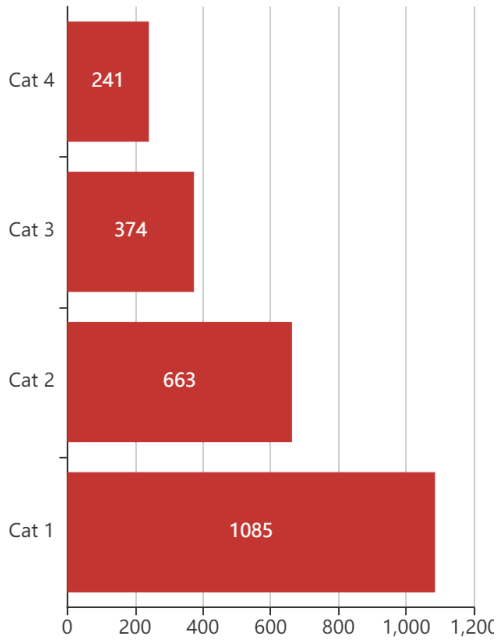
Structures

By USACE District



Structures

By Intensity

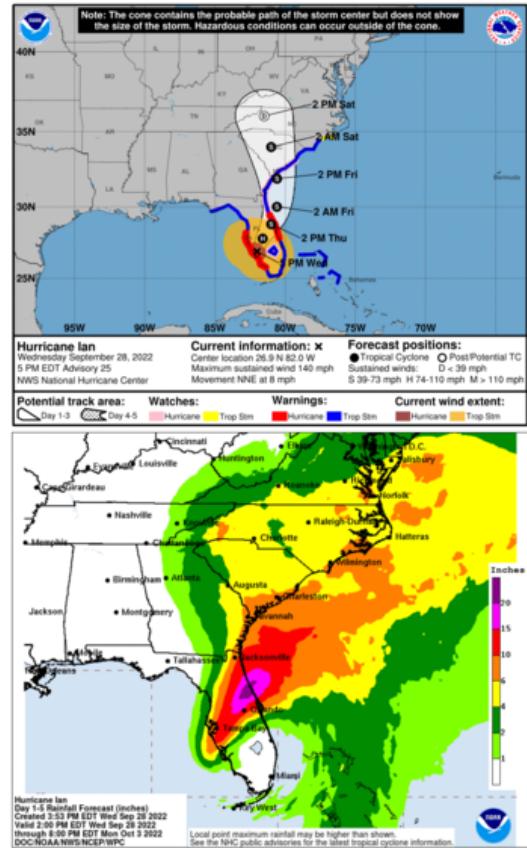




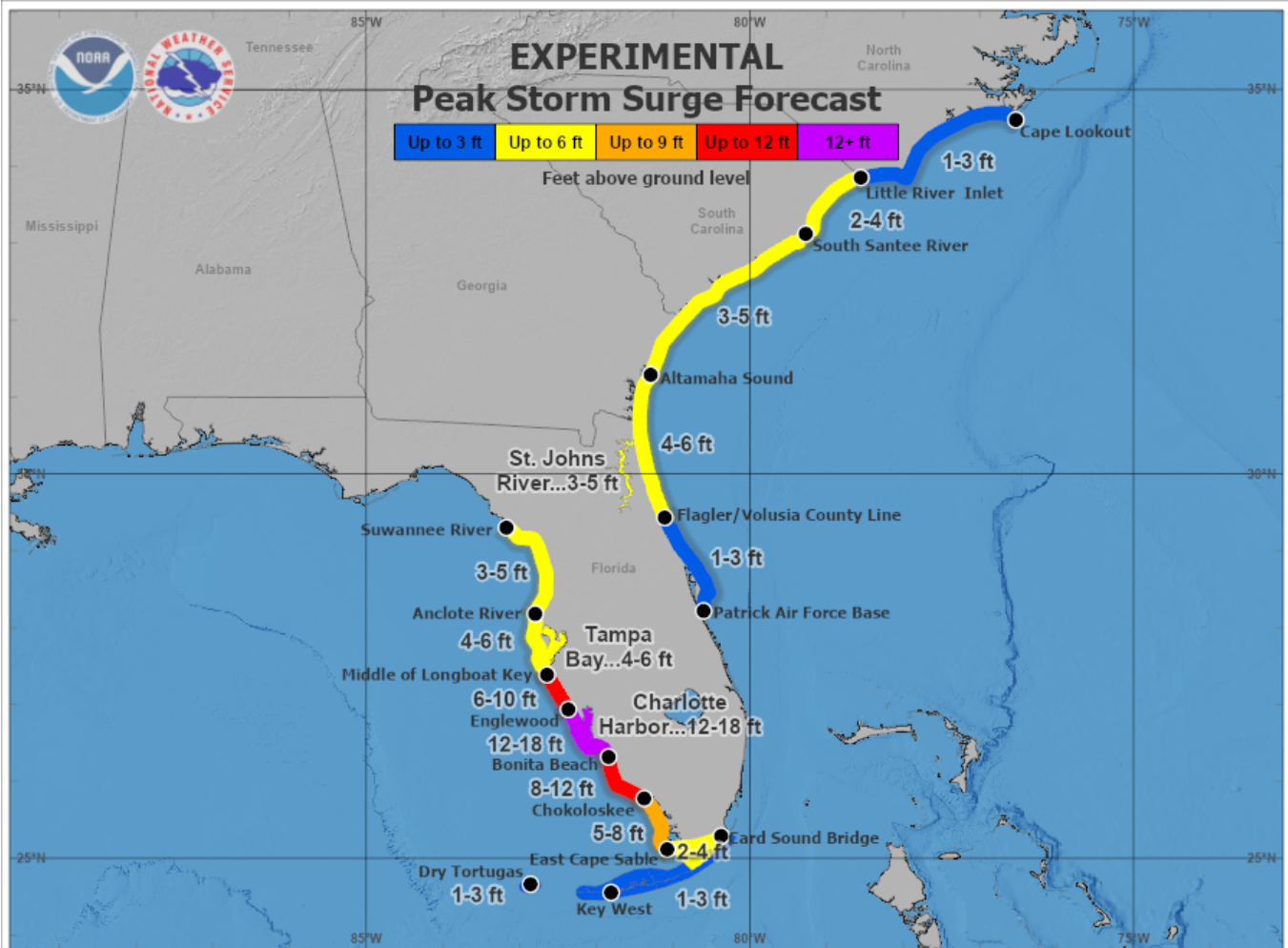
Key Messages for Hurricane Ian

Advisory 25: 5:00 PM EDT Wed Sep 28, 2022

1. Catastrophic storm surge inundation of 12 to 18 feet above ground level along with destructive waves is ongoing along the southwest Florida coastline from Englewood to Bonita Beach, including Charlotte Harbor.
2. Catastrophic wind damage is occurring along the southwestern coast of Florida in areas near the eyewall of Ian. Hurricane-force winds, especially in gusts, are expected to spread inland to central Florida near the core of Ian through early Thursday. Hurricane conditions are expected along the east-central Florida coast overnight through early Thursday.
3. Heavy rainfall will spread across the Florida peninsula through Thursday and reach portions of the Southeast U.S. later this week and this weekend. Widespread, life-threatening catastrophic flooding, with major to record river flooding, are expected to continue across portions of central Florida with considerable flooding in northern Florida, southeastern Georgia and eastern South Carolina.
4. There is a danger of life-threatening storm surge on Thursday and Friday along the coasts of northeast Florida, Georgia, and South Carolina, with hurricane conditions possible. Residents in these areas should follow any advice given by local officials.



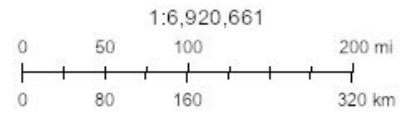
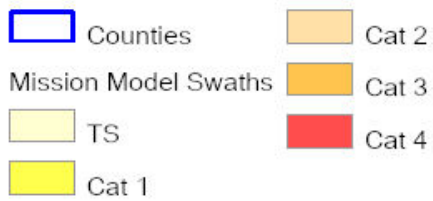
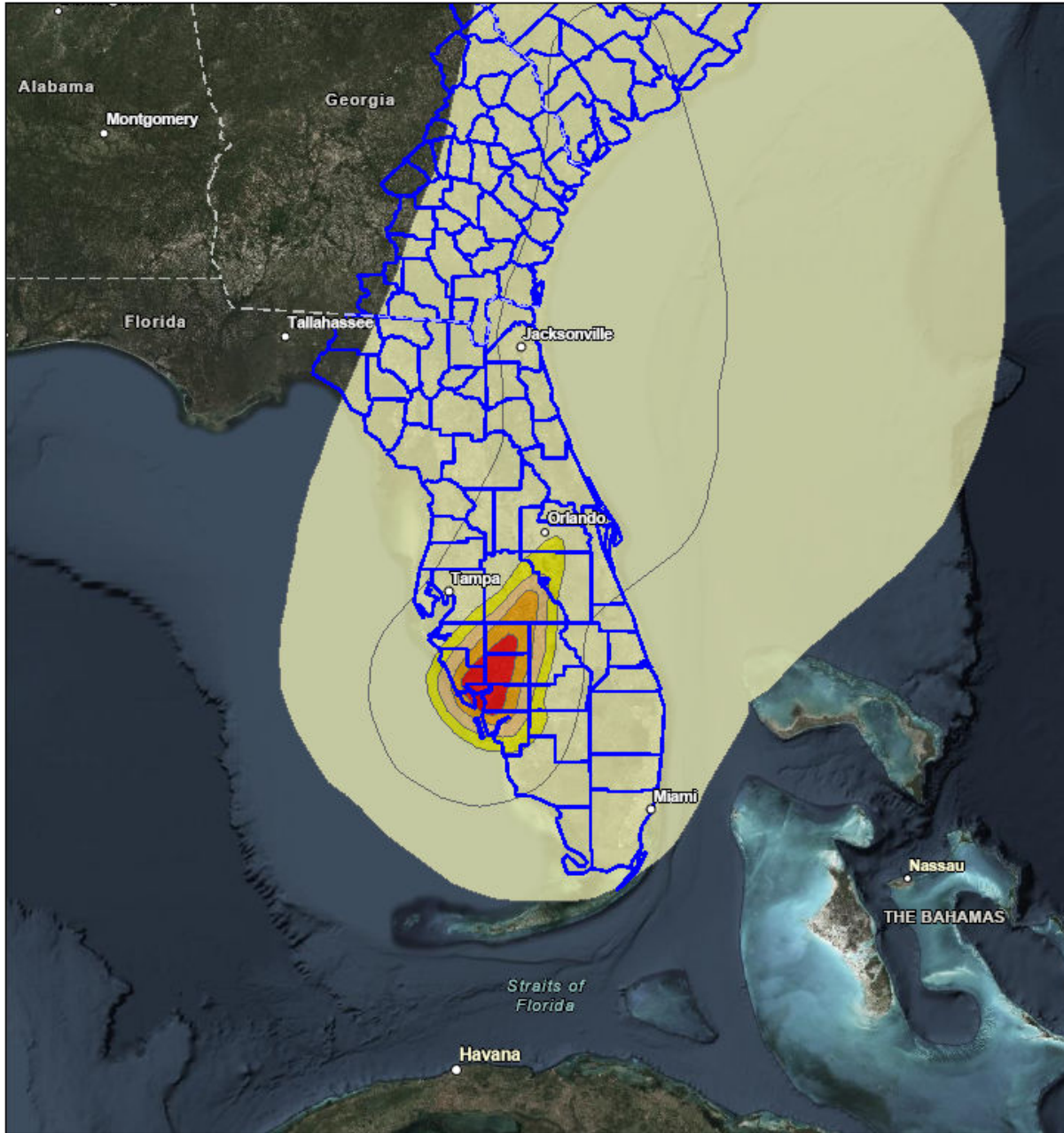
For more information go to hurricanes.gov



Hurricane Ian
Wednesday September 28, 2022
05 PM EDT Advisory 25
NWS National Hurricane Center

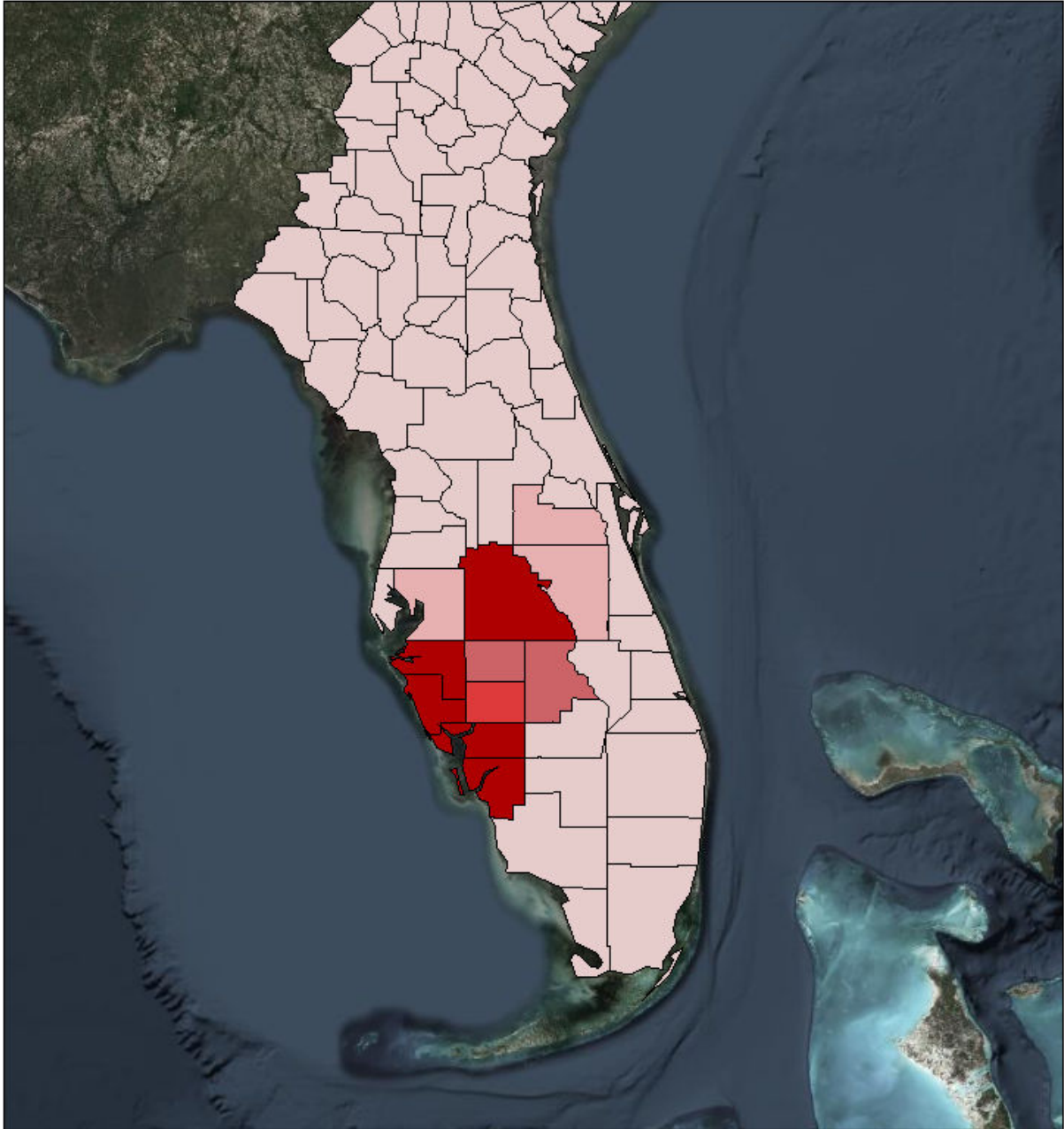
User Notes: Water levels along the immediate coast could reach the following heights above ground level within the indicated areas. Elevated water levels will likely be accompanied by large and destructive waves. Colors are determined by the highest values in the associated forecast peak surge range. Values shown on this graphic are inclusive of tide.

Letter ANSI A Portrait

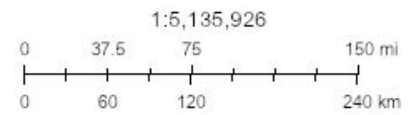
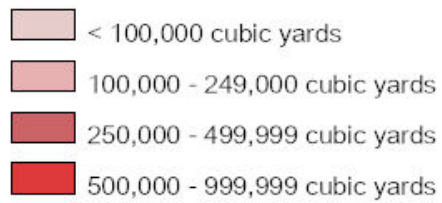


University of South Florida, FDEP, Esri, HERE, Garmin, FAO, NOAA, USGS, EPA, Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Debris



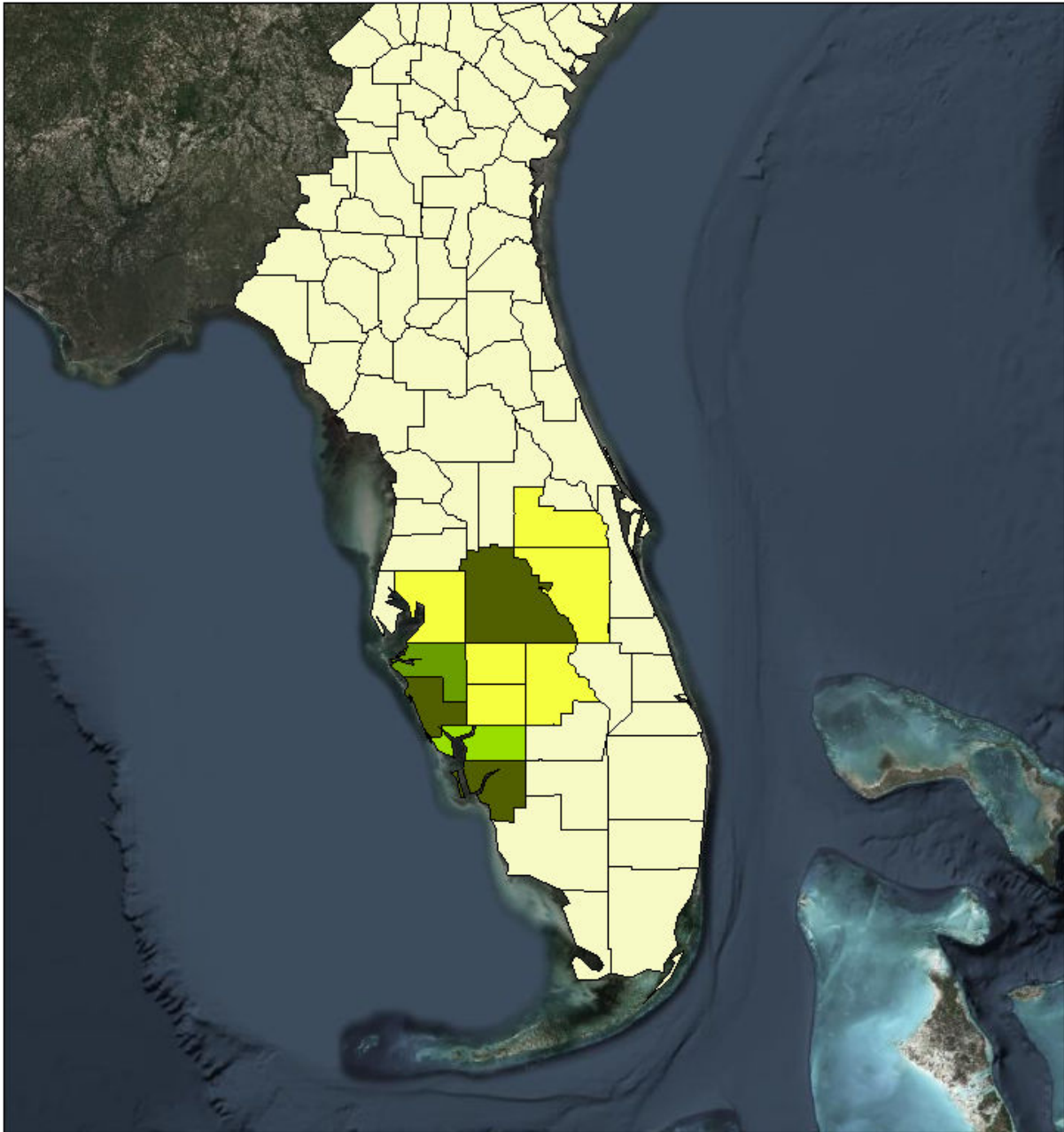
Debris



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

Created by SimSuite

Est. Temp. Roofing



Est. Temp. Roofing

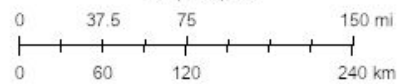
< 1000 units

1000 - 4999 units

5000 - 9999 units

10,000 - 14,999 units

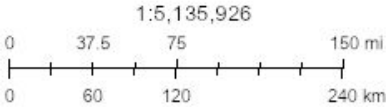
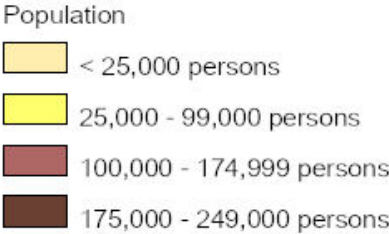
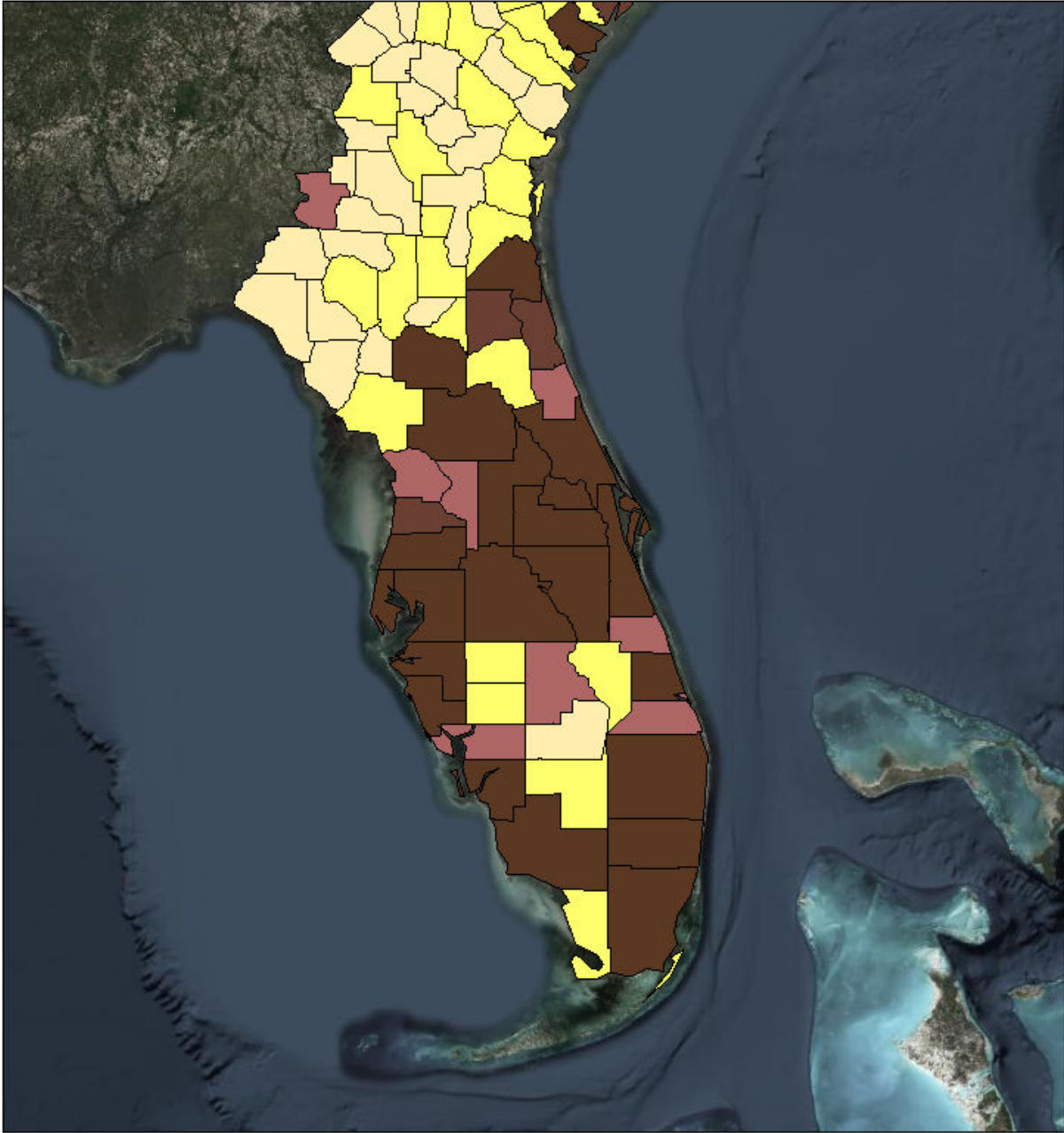
1:5,135,926



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

Created by SimSuite

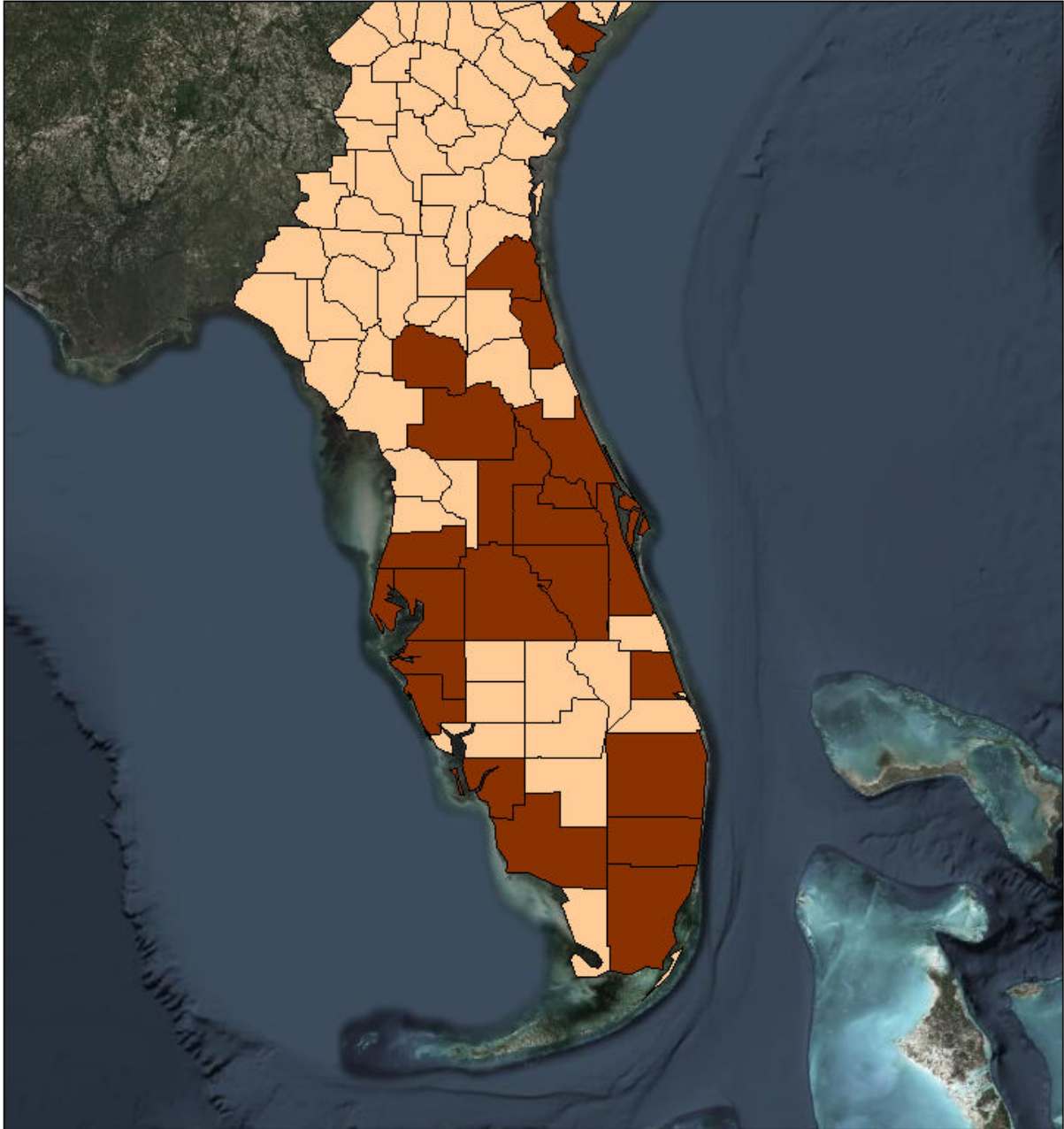
Population






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

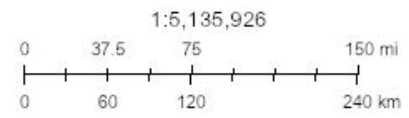
Created by SimSuite

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	14
Debris (cu. yd.)	23,863,661
Est. Temp. Roofing (units)	127,656
Act. Temp. Roofing (units)	30,637
Population	29,729,673
Households	10,672,910

Population Distribution	
Tropical Storm	34,869,327
Category 1	1,055,087
Category 2	740,550
Category 3	526,685
Category 4	304,364

FLORIDA	Yds of Debris (23,863,661)	Est. Roof Units (127,656)	Act. Roof Units (30,638)	Population (19,158,745)	Households (6,889,693)
Alachua	0	0	0	262,216	100,516
Baker	0	0	0	28,042	8,772
Bradford	0	0	0	26,996	9,479
Brevard	0	0	0	578,927	229,692
Broward	0	0	0	1,883,555	686,047
Charlotte	4,365,792	9,191	2,206	173,978	73,370
Citrus	0	0	0	144,825	63,304
Clay	0	0	0	209,524	68,792
Collier	7,846	174	42	368,652	133,179
Columbia	0	0	0	69,419	24,941
DeSoto	788,469	1,240	298	36,506	11,445
Dixie	0	0	0	16,299	6,316
Duval	0	0	0	932,755	342,450
Flagler	0	0	0	108,166	39,186
Gilchrist	0	0	0	17,436	6,121
Glades	5,252	91	22	13,588	4,533
Hamilton	0	0	0	14,344	4,617
Hardee	444,665	1,442	346	28,518	8,245
Hendry	6,705	149	36	39,553	12,025
Hernando	0	0	0	182,273	71,745
Highlands	343,374	3,852	925	102,012	42,604
Hillsborough	197,974	4,142	994	1,382,695	474,030

Indian River	0	0	0	149,718	60,176
Lafayette	0	0	0	8,476	2,580
Lake	0	0	0	339,742	121,289
Lee	4,624,208	36,630	8,791	720,426	259,818
Levy	0	0	0	41,097	16,404
Madison	0	0	0	18,862	6,985
Manatee	2,355,656	14,901	3,576	376,566	135,729
Marion	0	0	0	350,915	137,726
Martin	0	0	0	156,333	63,899
Miami-Dade	0	0	0	2,702,302	867,352
Monroe	0	0	0	77,537	32,629
Nassau	0	0	0	80,628	28,794
Okeechobee	0	0	0	39,837	14,013
Orange	202,379	4,491	1,078	1,332,714	421,847
Osceola	126,370	2,576	618	333,980	90,603
Palm Beach	0	0	0	1,441,728	544,227
Pasco	0	0	0	512,082	189,612
Pinellas	0	0	0	968,279	415,876
Polk	2,852,224	24,580	5,899	662,431	227,485
Putnam	0	0	0	74,098	29,409
Sarasota	7,542,747	24,198	5,807	414,899	175,746
Seminole	0	0	0	457,650	164,706
St. Johns	0	0	0	238,439	75,338
St. Lucie	0	0	0	302,601	108,523
Sumter	0	0	0	125,329	41,361
Suwannee	0	0	0	44,733	15,953
Taylor	0	0	0	22,641	7,920
Union	0	0	0	15,704	4,048
Volusia	0	0	0	528,719	208,236

GEORGIA	Yds of Debris (0)	Est. Roof Units (0)	Act. Roof Units (0)	Population (1,607,068)	Households (558,450)
Appling	0	0	0	18,451	6,969
Atkinson	0	0	0	9,278	2,983
Bacon	0	0	0	11,414	4,214
Brantley	0	0	0	18,729	6,885
Bryan	0	0	0	37,469	10,738
Bulloch	0	0	0	73,263	25,575
Burke	0	0	0	22,837	8,533
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	0	0	0	6,915	2,572
Coffee	0	0	0	44,088	14,817
Columbia	0	0	0	153,260	44,898
Echols	0	0	0	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
Glynn	0	0	0	84,625	31,774
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
Lanier	0	0	0	10,158	3,608
Liberty	0	0	0	64,510	22,155
Long	0	0	0	18,728	5,023
Lowndes	0	0	0	114,022	39,747
McIntosh	0	0	0	13,862	5,971
Montgomery	0	0	0	9,422	3,287
Pierce	0	0	0	19,286	7,083
Richmond	0	0	0	204,200	76,924
Screven	0	0	0	14,427	5,596
Tattnall	0	0	0	25,147	8,210
Telfair	0	0	0	16,196	5,543
Toombs	0	0	0	27,659	10,375
Treutlen	0	0	0	6,916	2,543
Ware	0	0	0	35,094	13,654
Wayne	0	0	0	29,612	10,562
Wheeler	0	0	0	7,905	2,152

NORTH CAROLINA	Yds of Debris (0)	Est. Roof Units (0)	Act. Roof Units (0)	Population (4,858,468)	Households (1,759,840)
Alexander	0	0	0	37,998	14,425
Anson	0	0	0	26,294	9,755
Bladen	0	0	0	35,031	14,430
Brunswick	0	0	0	129,300	46,297
Burke	0	0	0	89,714	35,804
Cabarrus	0	0	0	202,126	65,666
Caldwell	0	0	0	82,269	33,388
Catawba	0	0	0	158,261	60,887
Cleveland	0	0	0	98,074	38,555
Columbus	0	0	0	57,071	22,489
Cumberland	0	0	0	329,248	122,431
Davidson	0	0	0	168,037	64,515
Davie	0	0	0	42,146	16,245
Forsyth	0	0	0	375,124	141,163
Gaston	0	0	0	218,244	79,867
Hoke	0	0	0	53,518	16,532
Iredell	0	0	0	176,156	61,215
Lincoln	0	0	0	82,758	30,343
McDowell	0	0	0	46,542	17,838
Mecklenburg	0	0	0	1,063,054	362,213
Montgomery	0	0	0	27,607	10,544
Moore	0	0	0	97,517	37,540
New Hanover	0	0	0	225,895	86,046
Pender	0	0	0	59,850	20,333
Randolph	0	0	0	145,537	55,373
Richmond	0	0	0	46,534	18,430
Robeson	0	0	0	136,600	47,997
Rowan	0	0	0	142,361	53,140
Rutherford	0	0	0	68,012	27,466
Scotland	0	0	0	36,435	13,614
Stanly	0	0	0	61,870	23,589
Union	0	0	0	230,722	67,864
Wilkes	0	0	0	70,609	28,360
Yadkin	0	0	0	37,954	15,486

SOUTH CAROLINA	Yds of Debris (0)	Est. Roof Units (0)	Act. Roof Units (0)	Population (4,105,392)	Households (1,464,927)
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
Cherokee	0	0	0	57,032	21,519
Chester	0	0	0	33,257	12,876
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
Greenwood	0	0	0	70,166	27,547
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
Laurens	0	0	0	67,718	25,525
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
Spartanburg	0	0	0	305,813	109,246
Sumter	0	0	0	109,033	40,398
Union	0	0	0	28,317	11,974
Williamsburg	0	0	0	33,331	13,007
York	0	0	0	259,723	85,864

Critical Infrastructure

Summary			
Total Critical Facilities		2,363	
Power Requirements (kW)		69,918.0	
Range (kW)			
Communications	# FED Gen Req	Range (kW)	Req kW
Cellular Towers (248)	148.8	35 - 75	8,184.0
FM Antennas (79)	4.0	35 - 75	217.3
Education	# FED Gen Req	Range (kW)	Req kW
Private Schools (150)	0.0	200 - 300	0.0
Public Schools (498)	149.4	200 - 300	37,350.0
Colleges and Universities (32)	0.6	200 - 300	160.0
Emergency Services	# FED Gen Req	Range (kW)	Req kW
911 Call Centers (0)	0.0	15 - 35	0.0
Emergency Medical Service (235)	23.5	15 - 35	587.5
Fire Stations (224)	22.4	15 - 35	560.0
Healthcare	# FED Gen Req	Range (kW)	Req kW
Nursing Homes (361)	54.1	35 - 100	3,655.1
Hospitals (36)	10.8	800 - 2000	15,120.0
Urgent Care Facilities (44)	8.8	200 - 300	2,200.0
Law Enforcement	# FED Gen Req	Range (kW)	Req kW
Local Police (65)	6.5	15 - 35	162.5
Correctional Facilities (0)	0.0	400 - 600	0.0
State and Local EOCs	# FED Gen Req	Range (kW)	Req kW
Local Emergency Operations Centers (11)	2.2	15 - 40	60.5
State Emergency Operation Centers (EOCs) (0)	0.0	15 - 35	0.0
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 (6)	0.0	100 - 300	0.0
Bus Stations (11)	0.0	100 - 300	0.0
Intermodal Terminal Facilities (19)	0.0	100 - 300	0.0
Railroad Stations (6)	0.0	100 - 300	0.0
Public-Use Airports (134)	16.1	40 - 100	1,125.6

Water and Wastewater	# FED Gen Req	Range (kW)	Req kW
Wastewater Treatment Plants (204)	10.2	35 - 70	535.5

Poverty Level

#	County	Cat	Pop. below Federal poverty line	% Population
1	Lee County	4	88,294	12
2	Manatee County	4	42,675	11
3	Sarasota County	4	36,496	9
4	Charlotte County	4	19,302	11
5	DeSoto County	4	9,200	26
6	Hardee County	4	6,189	25
7	Polk County	3	104,509	15
8	Highlands County	3	16,511	16
9	Hillsborough County	2	200,179	14
10	Osceola County	2	48,325	13
11	Hendry County	2	10,958	27
12	Glades County	2	2,127	17
13	Orange County	1	190,145	14
14	Collier County	1	41,222	11

Social Vulnerability Index



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

#	Location	Cat	Overall SVI Score
1	Hardee County, Florida	4	0.983
2	DeSoto County, Florida	4	0.962
3	Lee County, Florida	4	0.552
4	Manatee County, Florida	4	0.52
5	Charlotte County, Florida	4	0.489
6	Sarasota County, Florida	4	0.254
7	Polk County, Florida	3	0.903
8	Highlands County, Florida	3	0.873
9	Hendry County, Florida	2	0.994
10	Glades County, Florida	2	0.905
11	Osceola County, Florida	2	0.818
12	Hillsborough County, Florida	2	0.67
13	Orange County, Florida	1	0.669
14	Collier County, Florida	1	0.462

COVID-19

#	County	Cases
1	Hillsborough	455,614
2	Orange	454,463
3	Polk	245,072
4	Lee	229,428
5	Osceola	137,251
6	Manatee	117,012
7	Sarasota	114,303
8	Collier	100,123
9	Charlotte	45,089
10	Highlands	29,120
11	Hendry	13,278
12	DeSoto	10,790
13	Hardee	9,921
14	Glades	2,224

Report Generated by SimSuite

<https://simsuite.usace.army.mil/wab/v2.15/MissionModels/#advid=274&oid=84&name=Hurricane%20Ian&advisory=Advisory%20%2325&advlf=G>