



Hurricane Nicole Advisory #7

For Planning Purposes Only!

WASHINGTON, DC
16:40:05
08 Nov 2022

CHICAGO
15:40:05
08 Nov 2022

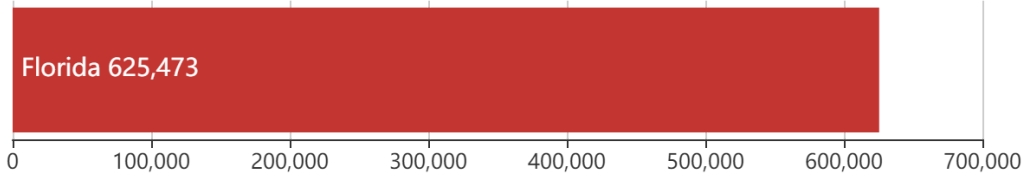
LOS ANGELES
13:40:05
08 Nov 2022

<https://simsuite.usace.army.mil/wab/v2.15/MissionModels/#advid=284&oid=85&name=Hurricane%20Nicole&advisory=Advisory%20%237&advf=A>

Updated as of 8 Nov 2022 (3:40 PM Central Standard Time)

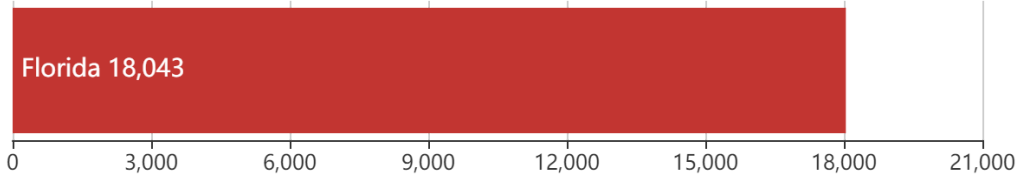
Debris

625.5K
cu. yd.



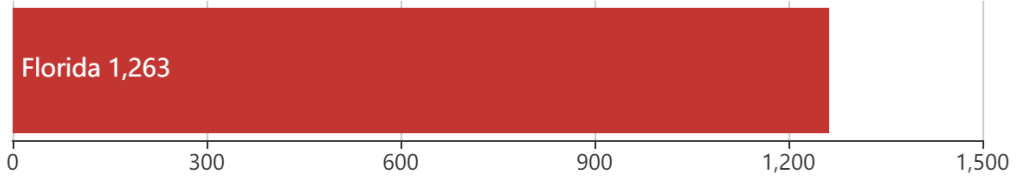
Est. Temp. Roofing

18K
units



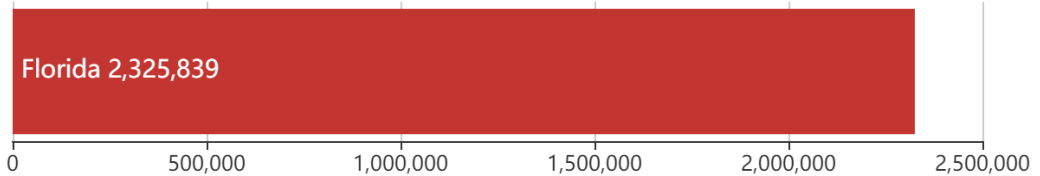
Act. Temp. Roofing

1.3K
units



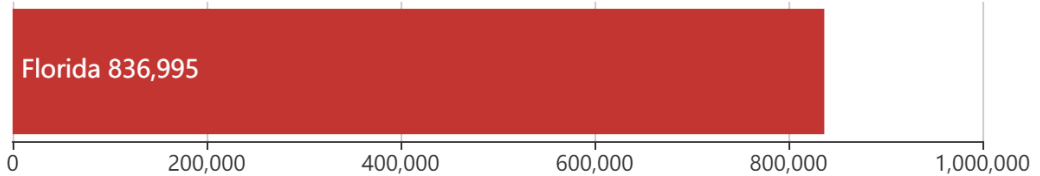
Population

2.3M
people



Households

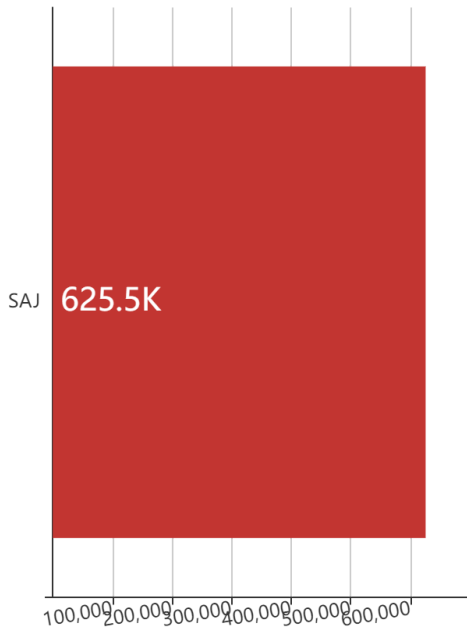
837K
households



Mission Model Summary

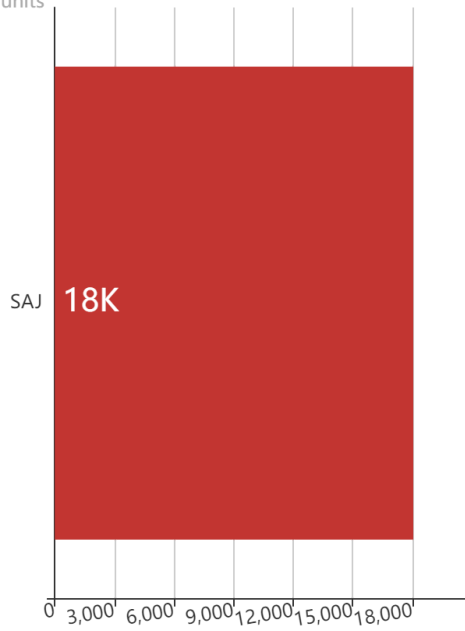
Debris By USACE District

cu. yd.

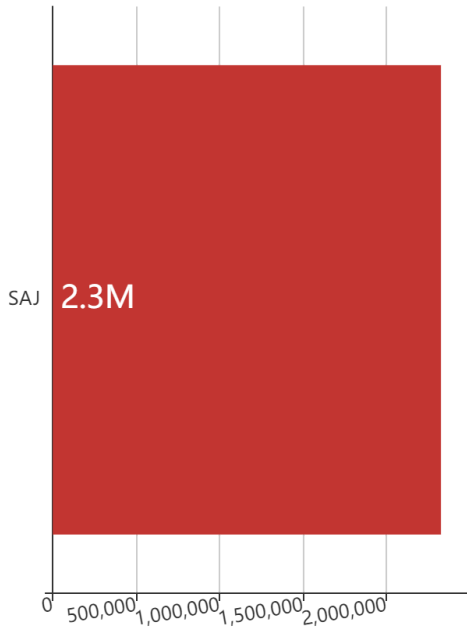


Est. Temp. Roofing By USACE District

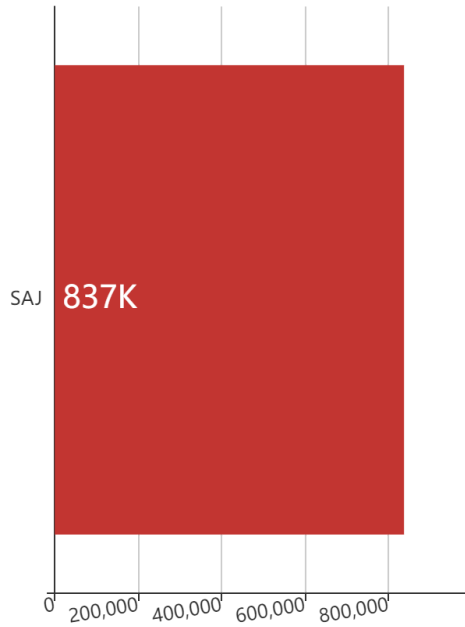
units



Population By USACE District



Households By USACE District



Critical Infrastructure Summary

Total

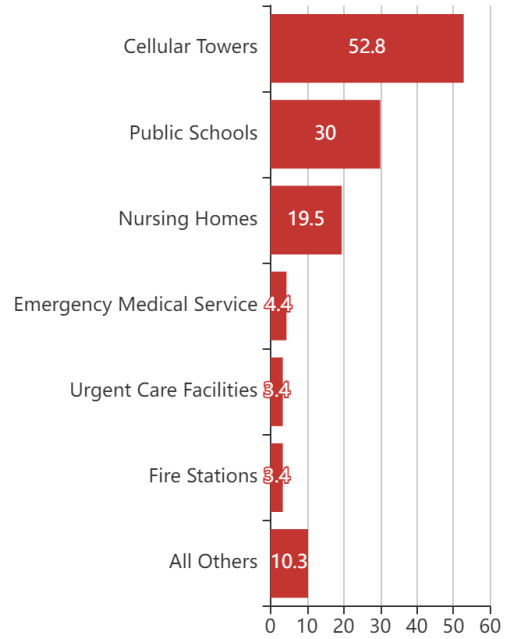


Power Requirements



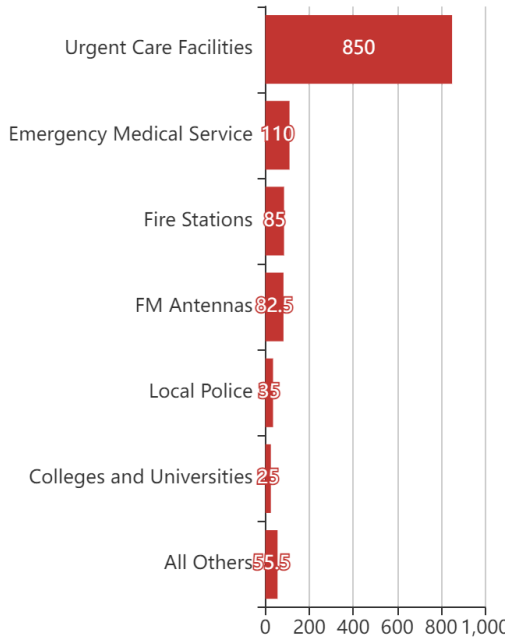
Generators

By Generator Count



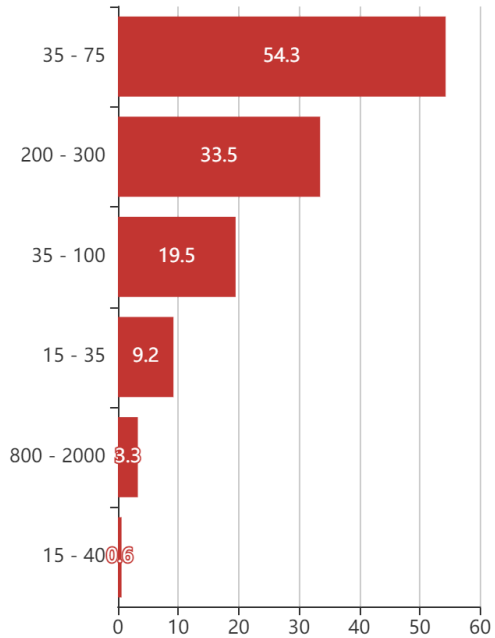
Generators

By Power Requirement



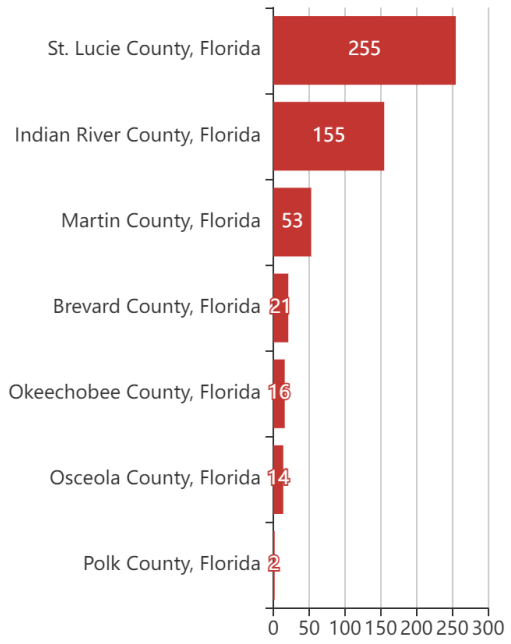
Generators

By Range



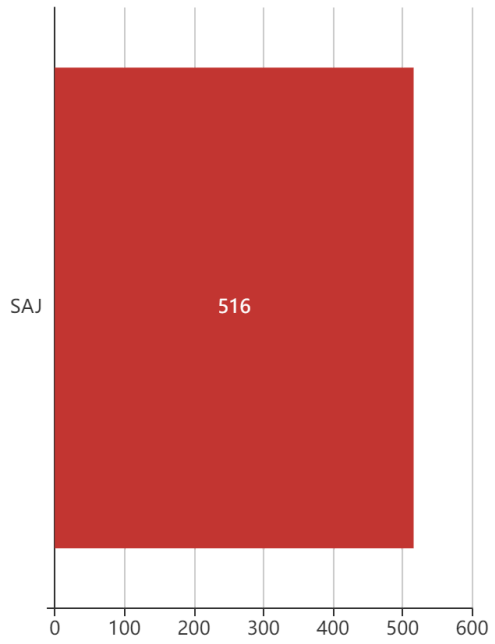
Structures

By County



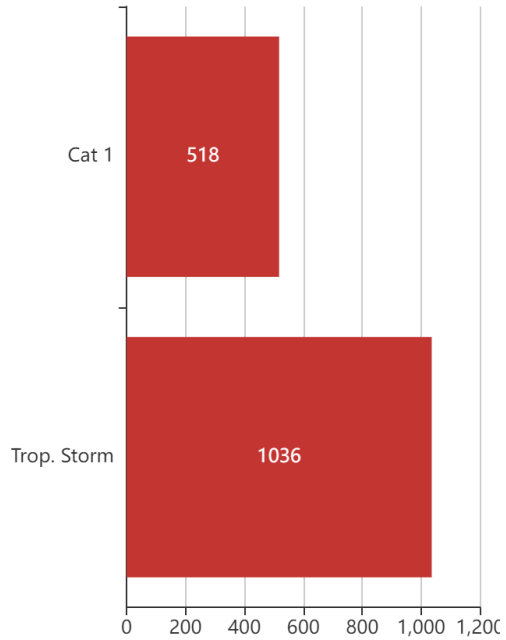
Structures

By USACE District

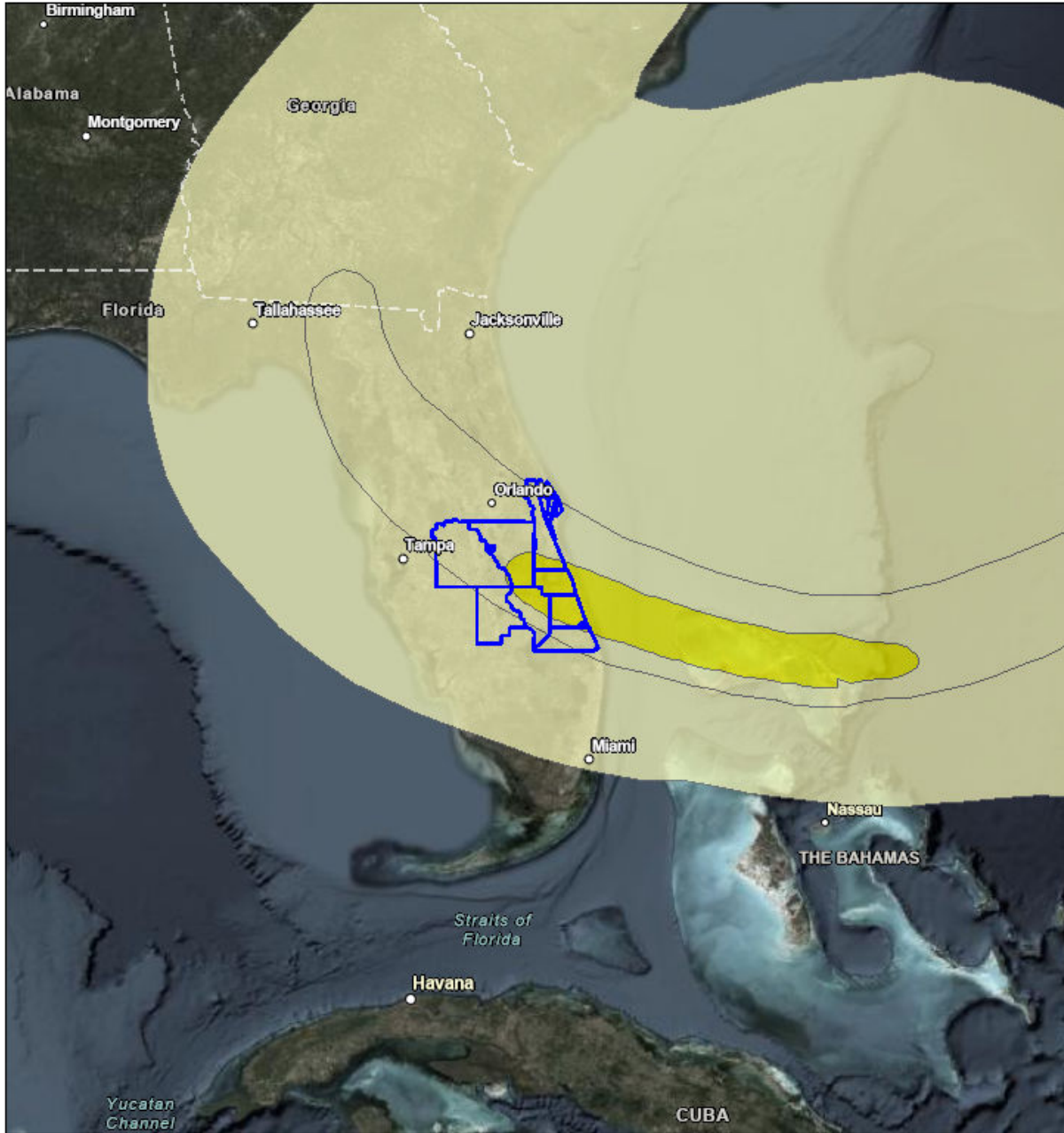





Structures

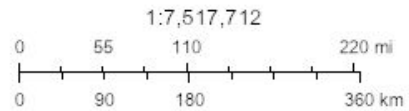
By Intensity



Letter ANSI A Portrait



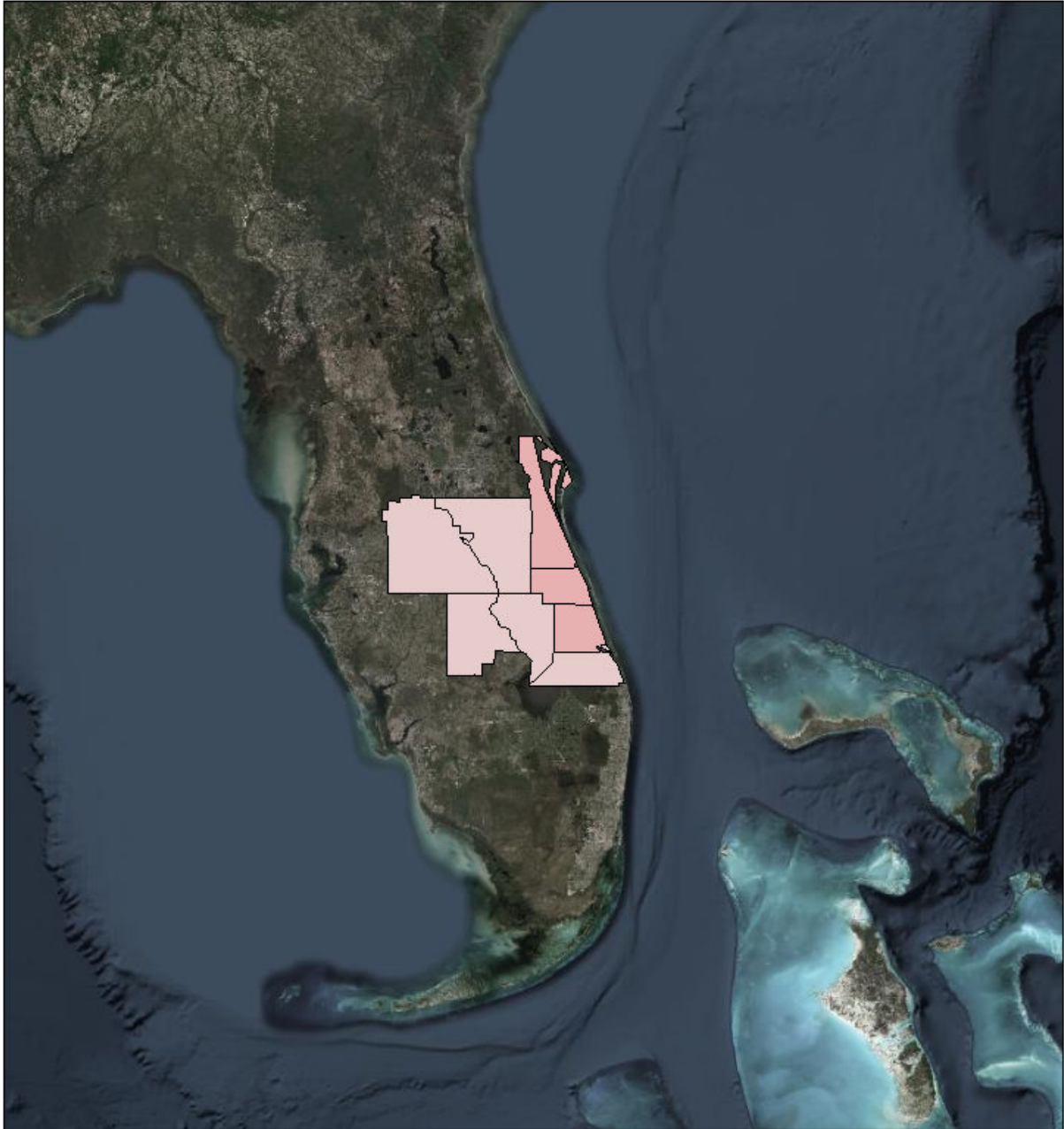
-  Counties
- Mission Model Swaths
 -  TS
 -  Cat 1





University of South Florida, Indian River County, 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

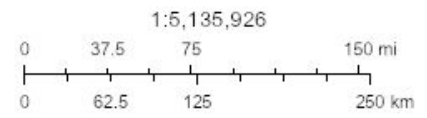
Created by SimSuite

Debris



Debris

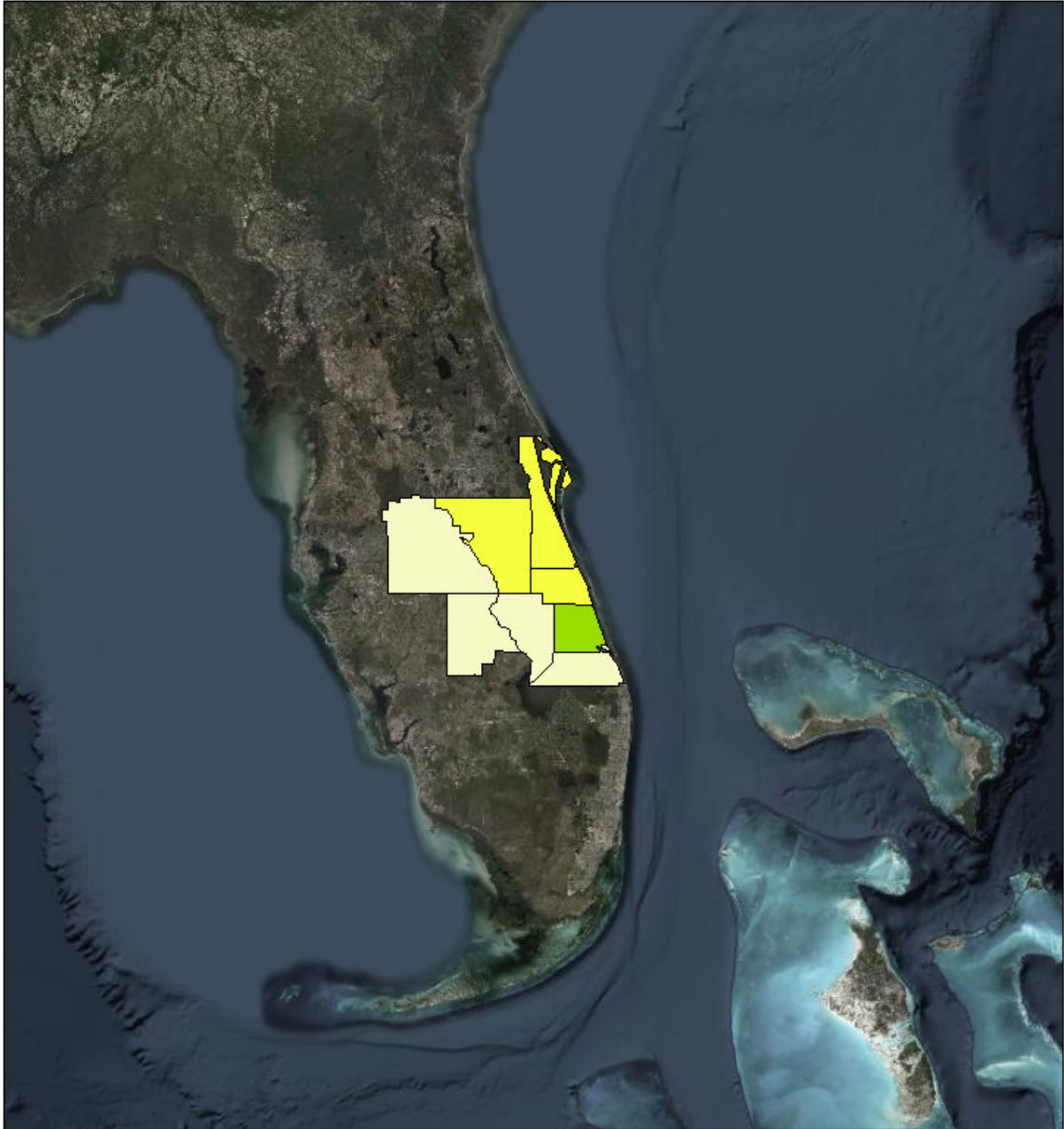
-  < 100,000 cubic yards
-  100,000 - 249,000 cubic yards



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

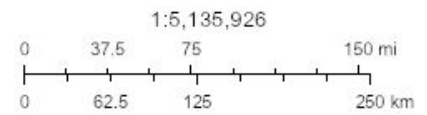
Created by SimSuite

Est. Temp. Roofing



Est. Temp. Roofing

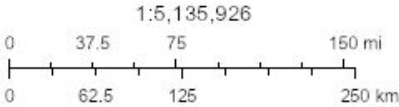
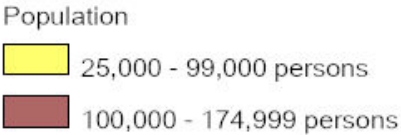
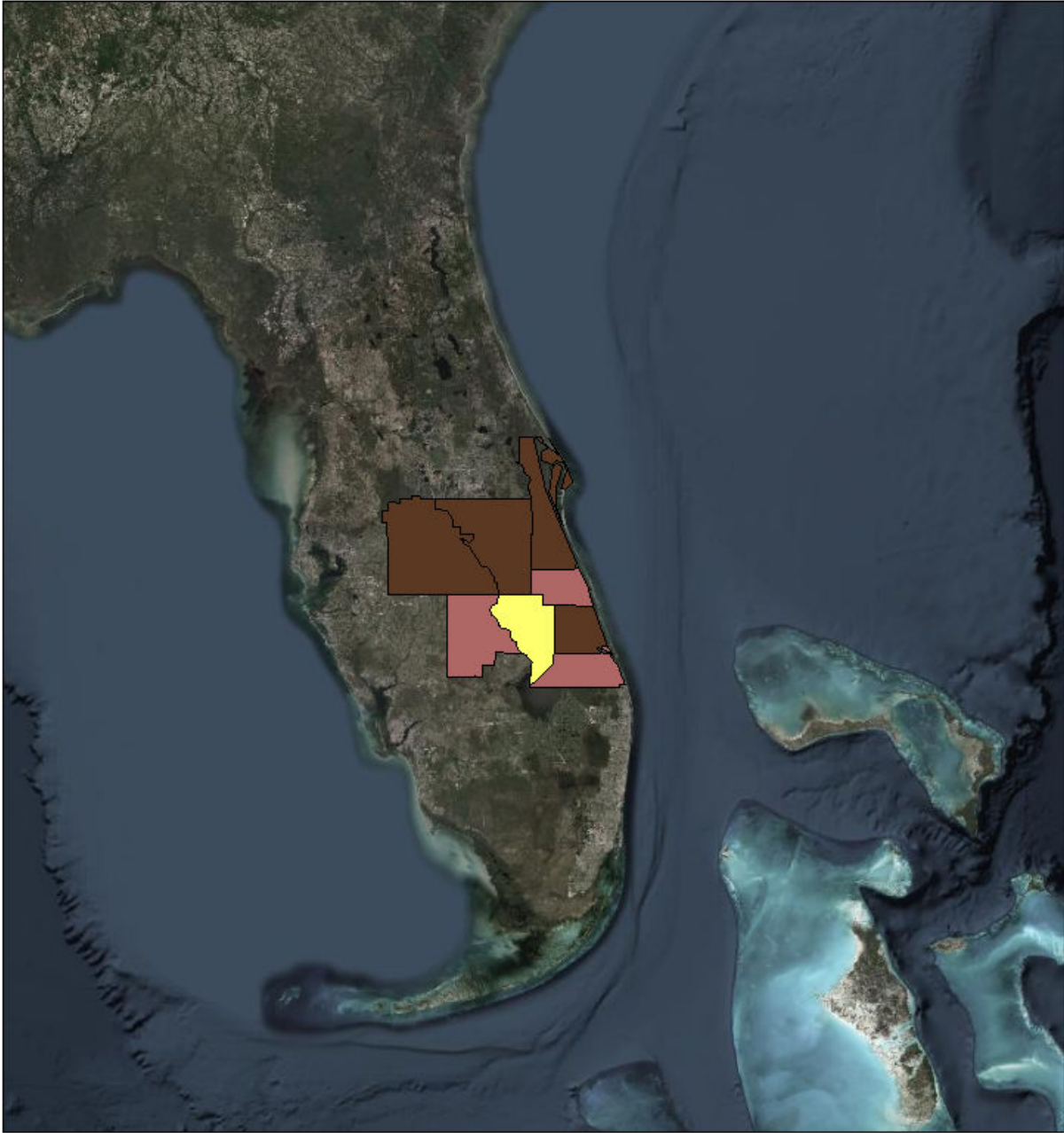
- < 1000 units
- 1000 - 4999 units
- 5000 - 9999 units



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

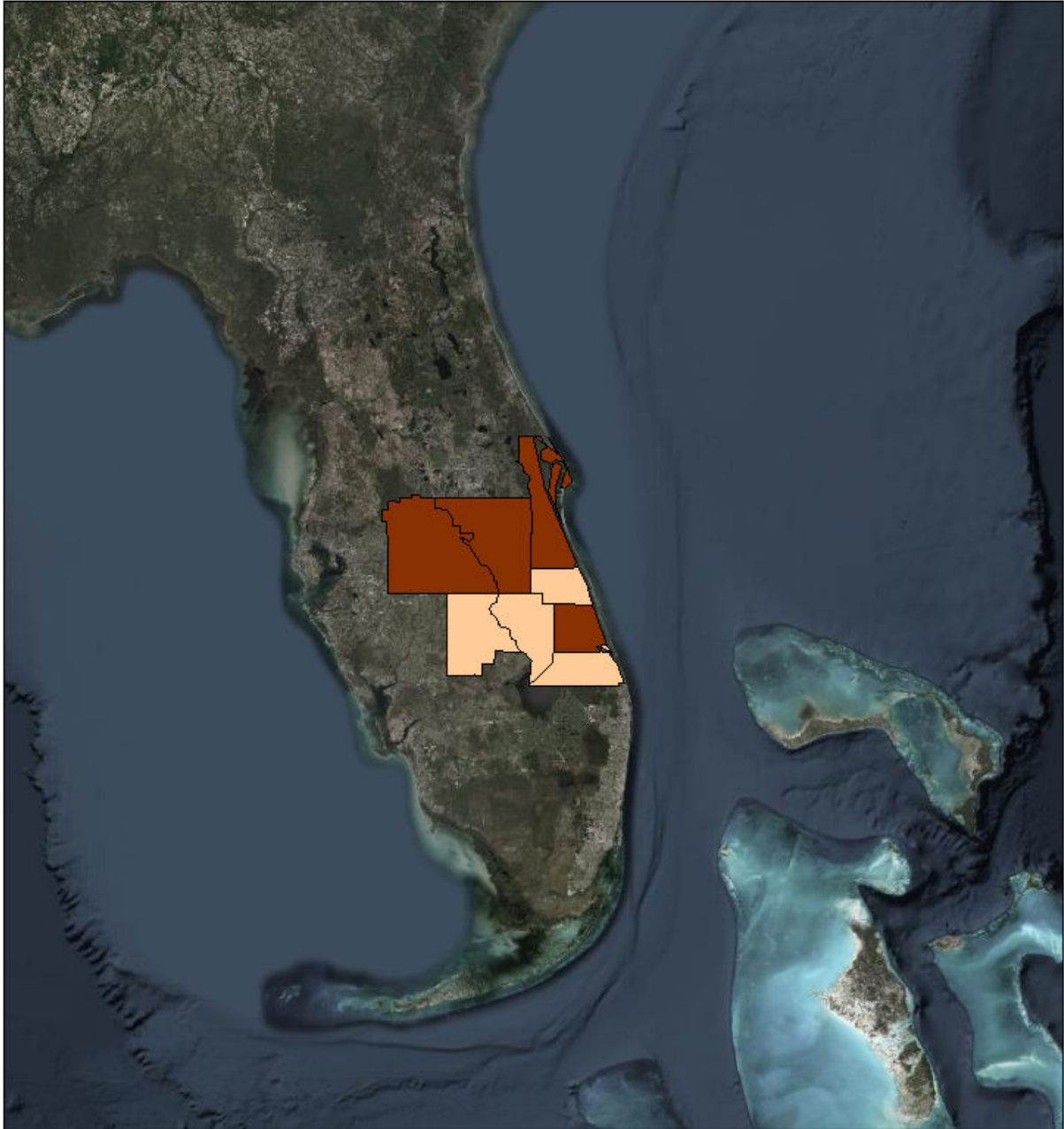
Created by SimSuite

Population



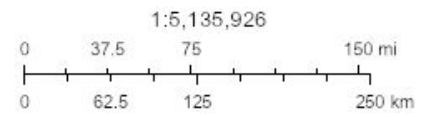
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Households



Households

-  < 7,500 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	8
Debris (cu. yd.)	625,473
Est. Temp. Roofing (units)	18,043
Act. Temp. Roofing (units)	1,263
Population	2,325,839
Households	836,995

Population Distribution	
Tropical Storm	4,404,094
Category 1	664,014

FLORIDA	Yds of Debris (625,473)	Est. Roof Units (18,043)	Act. Roof Units (1,263)	Population (2,325,839)	Households (836,995)
Brevard	120,743	3,483	244	578,927	229,692
Highlands	176	5	0	102,012	42,604
Indian River	156,458	4,513	316	149,718	60,176
Martin	8,419	243	17	156,333	63,899
Okeechobee	15,128	436	31	39,837	14,013
Osceola	69,973	2,018	141	333,980	90,603
Polk	8,350	241	17	662,431	227,485
St. Lucie	246,227	7,103	497	302,601	108,523

Critical Infrastructure

Summary			
Total Critical Facilities		518	
Power Requirements (kW)		17,544.3	
Range (kW)			
Communications	# FED Gen Req	Range (kW)	Req kW
Cellular Towers (88)	52.8	35 - 75	2,904.0
FM Antennas (30)	1.5	35 - 75	82.5
Education	# FED Gen Req	Range (kW)	Req kW
Private Schools (37)	0.0	200 - 300	0.0
Public Schools (100)	30.0	200 - 300	7,500.0
Colleges and Universities (5)	0.1	200 - 300	25.0
Emergency Services	# FED Gen Req	Range (kW)	Req kW
911 Call Centers (0)	0.0	15 - 35	0.0
Emergency Medical Service (44)	4.4	15 - 35	110.0
Fire Stations (34)	3.4	15 - 35	85.0
Healthcare	# FED Gen Req	Range (kW)	Req kW
Nursing Homes (130)	19.5	35 - 100	1,316.3
Hospitals (11)	3.3	800 - 2000	4,620.0
Urgent Care Facilities (17)	3.4	200 - 300	850.0
Law Enforcement	# FED Gen Req	Range (kW)	Req kW
Local Police (14)	1.4	15 - 35	35.0
Correctional Facilities (0)	0.0	400 - 600	0.0
State and Local EOCs	# FED Gen Req	Range (kW)	Req kW
Local Emergency Operations Centers (3)	0.6	15 - 40	16.5
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 (0)	0.0	100 - 300	0.0
Bus Stations (4)	0.0	100 - 300	0.0
Intermodal Terminal Facilities (1)	0.0	100 - 300	0.0
Railroad Stations (0)	0.0	100 - 300	0.0

Water and Wastewater	# FED Gen Req	Range (kW)	Req kW
Wastewater Treatment Plants (0)	0.0	35 - 70	0.0

Poverty Level

#	County	Cat	Pop. below Federal poverty line	% Population
---	--------	-----	---------------------------------	--------------

Social Vulnerability Index



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

#	Location	Cat	Overall SVI Score
---	----------	-----	-------------------

Report Generated by SimSuite

<https://simsuite.usace.army.mil/wab/v2.15/MissionModels/#advid=284&oid=85&name=Hurricane%20Nicole&advisory=Advisory%20%237&advif=A>