



US Army Corps of Engineers
BUILDING STRONG®

For Planning Purposes Only!

WASHINGTON, DC
12:23:53
09 Nov 2022

CHICAGO
11:23:53
09 Nov 2022

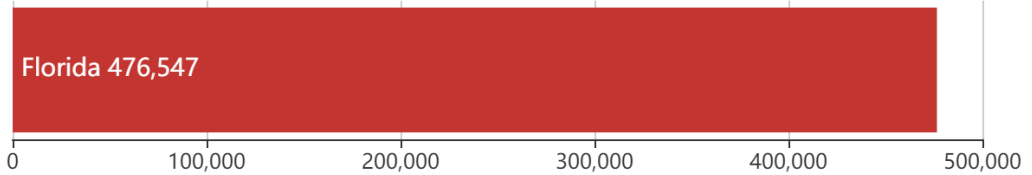
LOS ANGELES
09:23:53
09 Nov 2022

<https://simsuite.usace.army.mil/wab/v2.15/MissionModels/index.html#advid=285&oid=85&name=Hurricane%20Nicole&advisory=Advisory%20%2310&advlf=A>

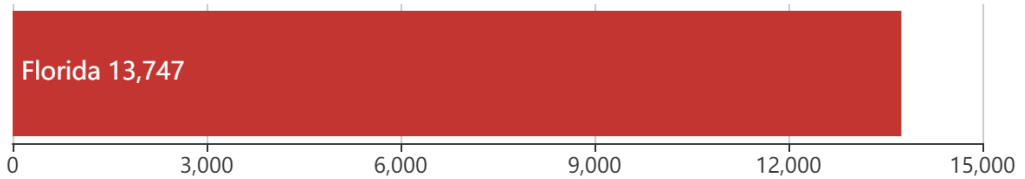
Updated as of 9 Nov 2022 (11:23 AM Central Standard Time)

Debris

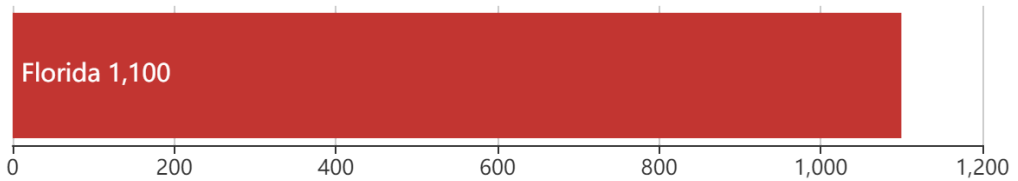
476.5K
cu. yd.



Est. Temp. Roofing
13.7K
units

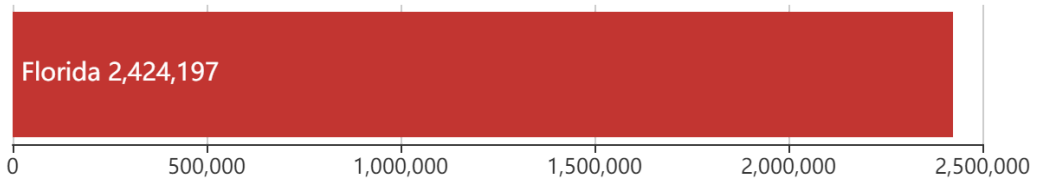


Act. Temp. Roofing
1.1K
units



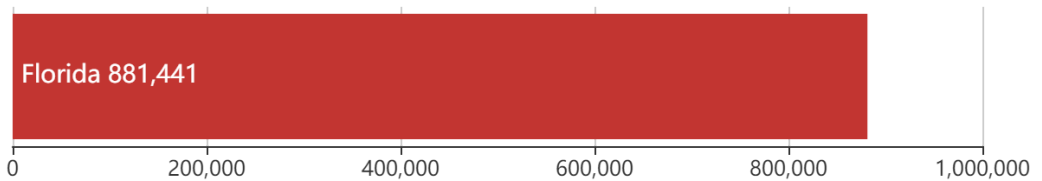
Population

2.4M
people



Households

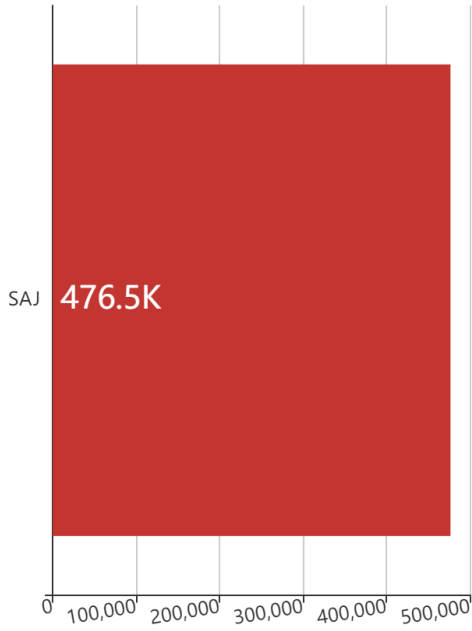
881.4K
households



Mission Model Summary

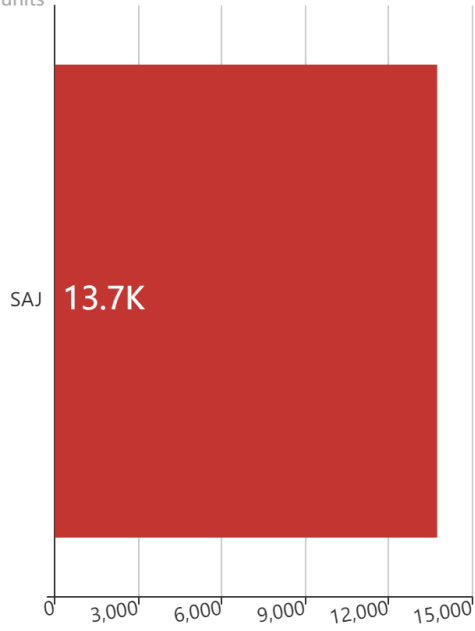
Debris By USACE District

cu. yd.

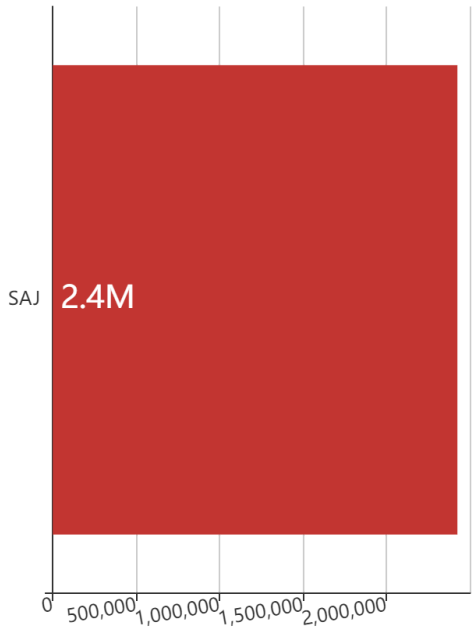


Est. Temp. Roofing By USACE District

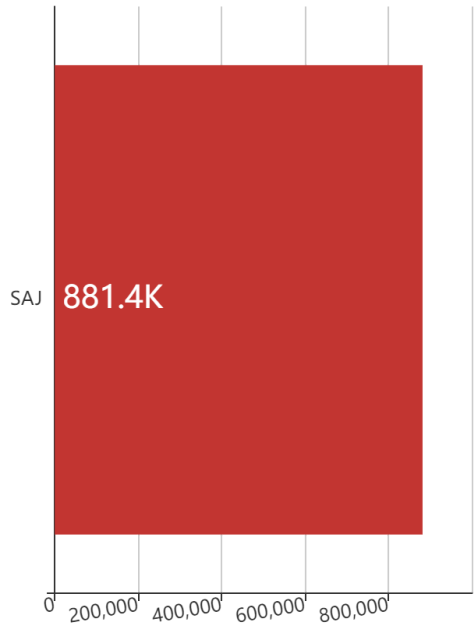
units



Population By USACE District



Households By USACE District



Critical Infrastructure Summary

Total

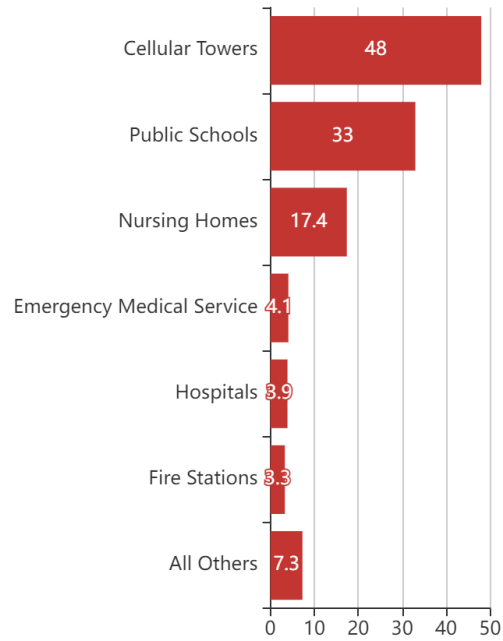


Power Requirements



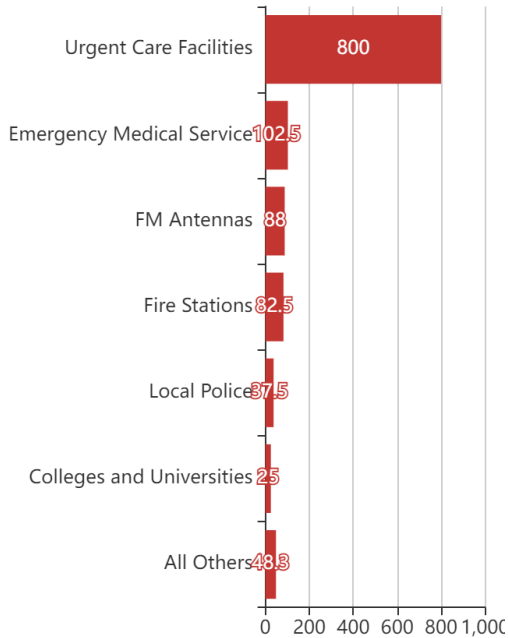
Generators

By Generator Count



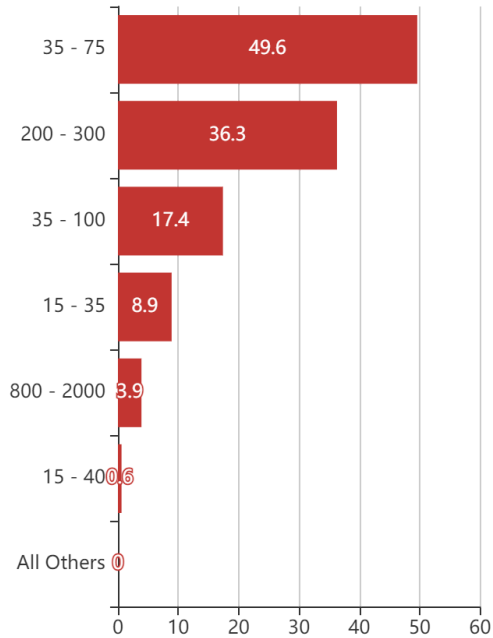
Generators

By Power Requirement



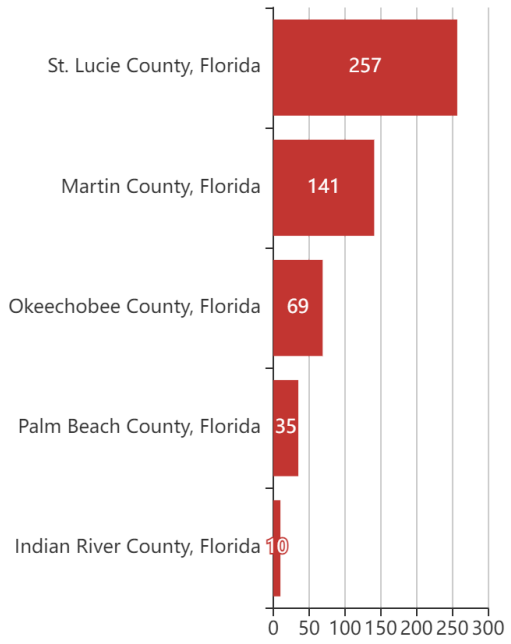
Generators

By Range



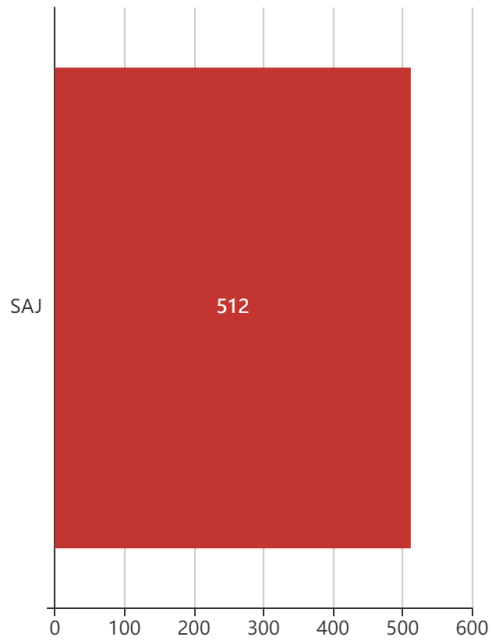
Structures

By County



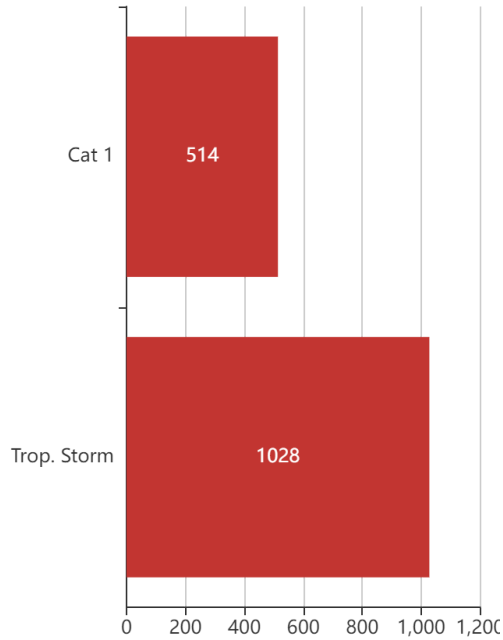
Structures

By USACE District

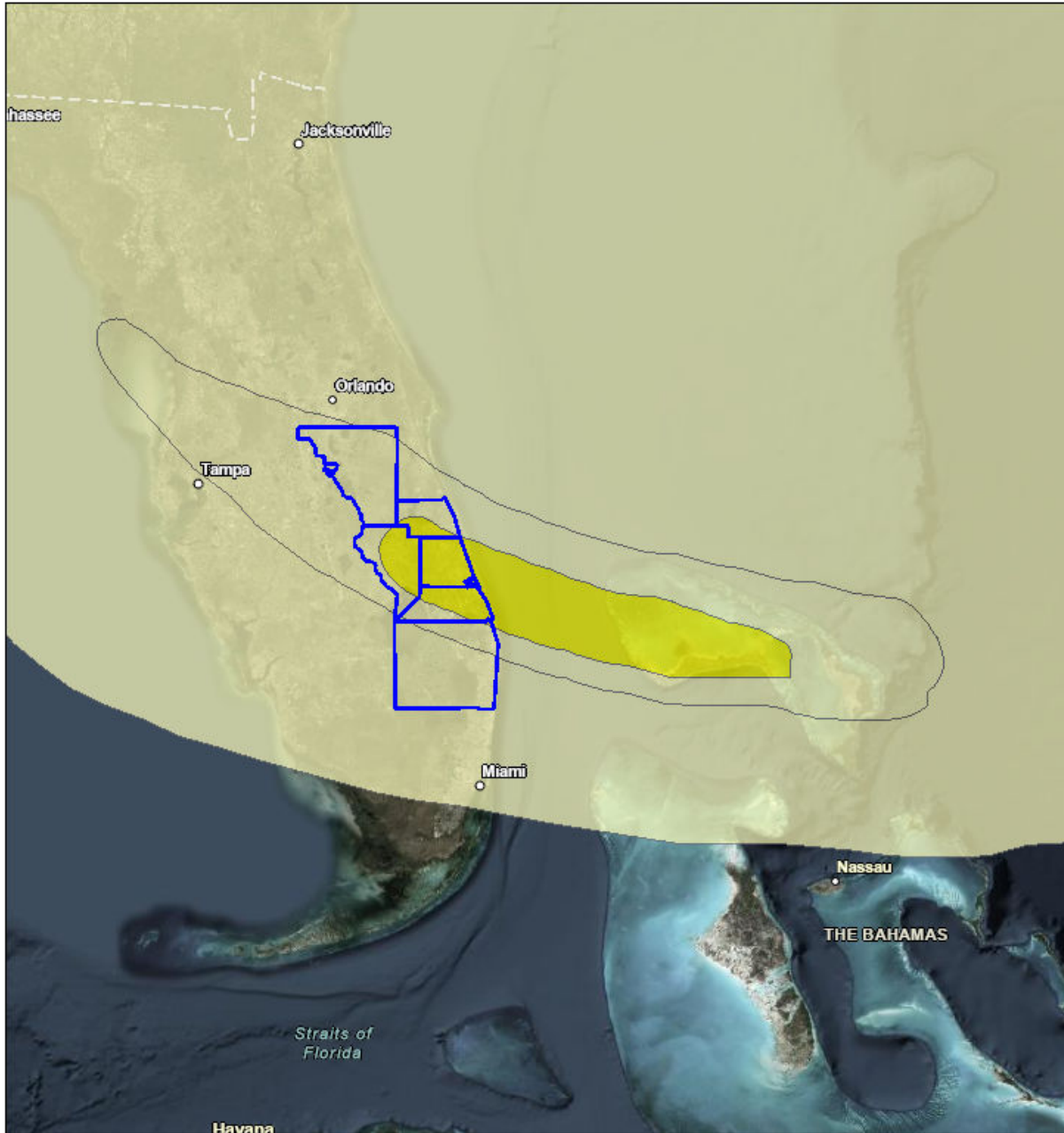





Structures

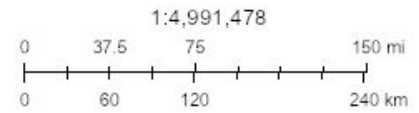
By Intensity



Letter ANSI A Portrait



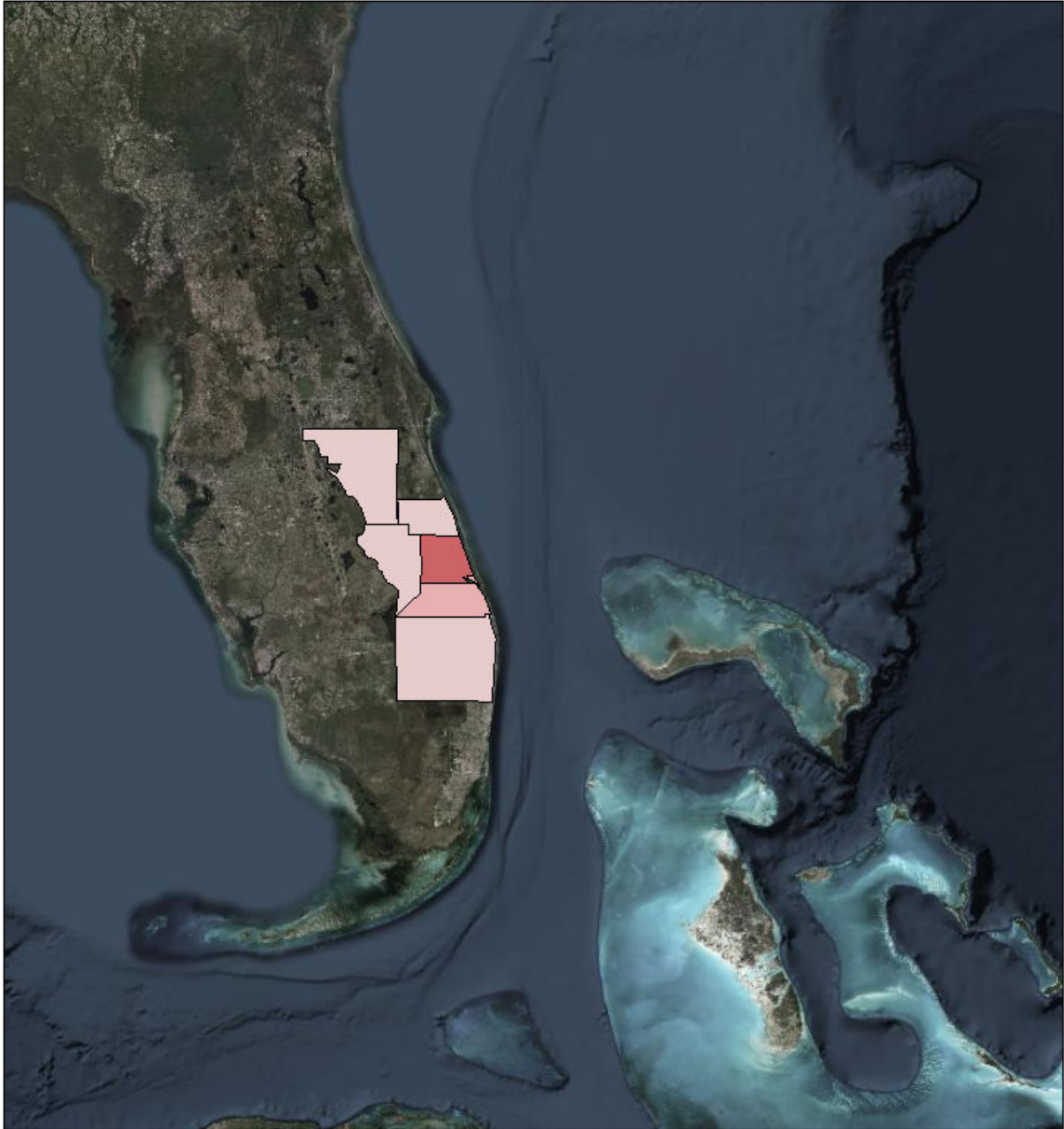
-  Counties
- Mission Model Swaths
 -  TS
 -  Cat 1






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

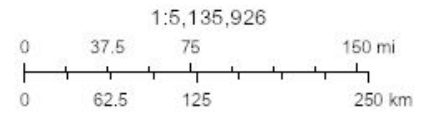
Created by SimSuite

Debris



Debris

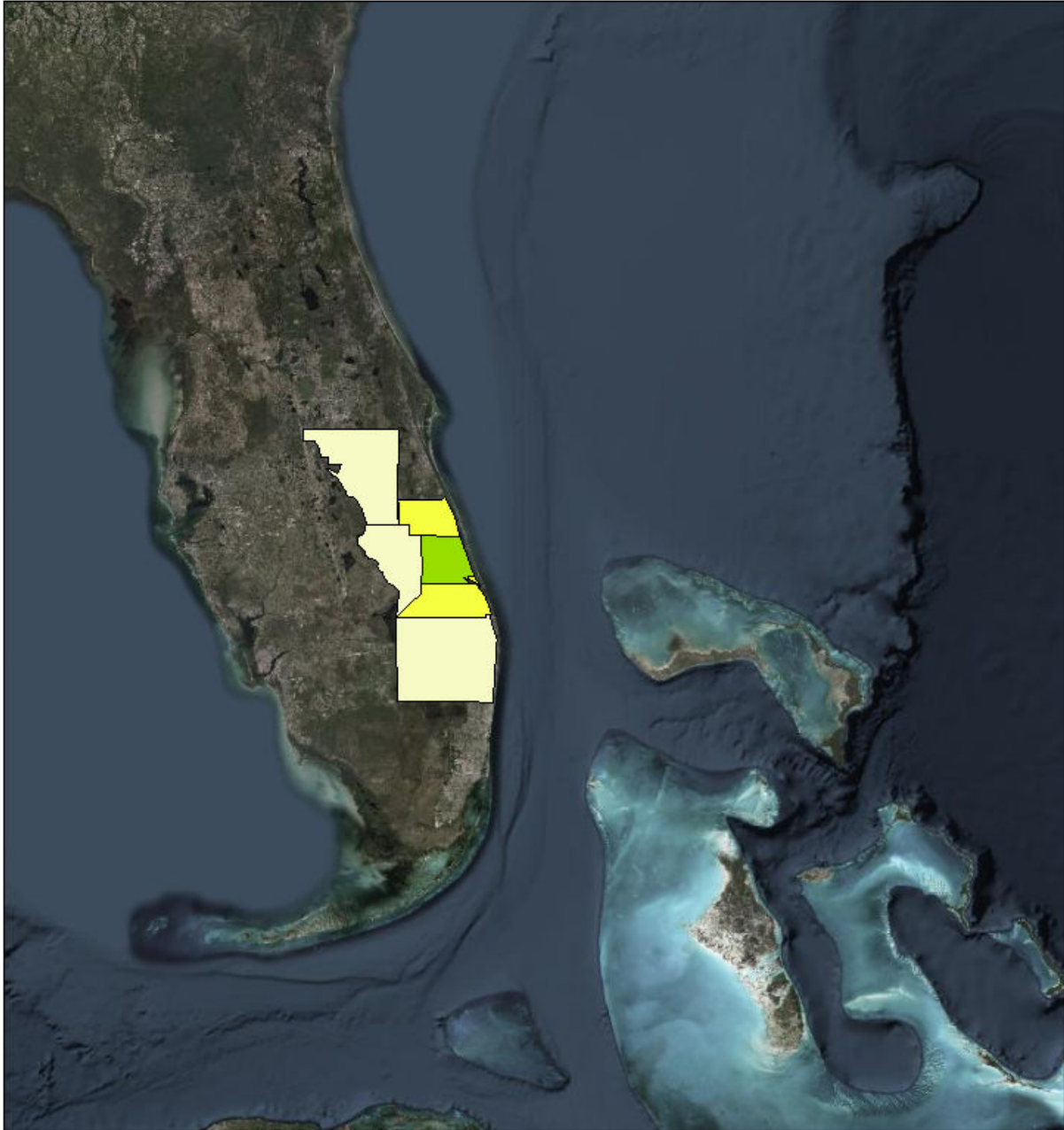
-  < 100,000 cubic yards
-  100,000 - 249,000 cubic yards
-  250,000 - 499,999 cubic yards






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

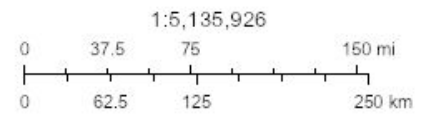
Created by SimSuite

Est. Temp. Roofing



Est. Temp. Roofing

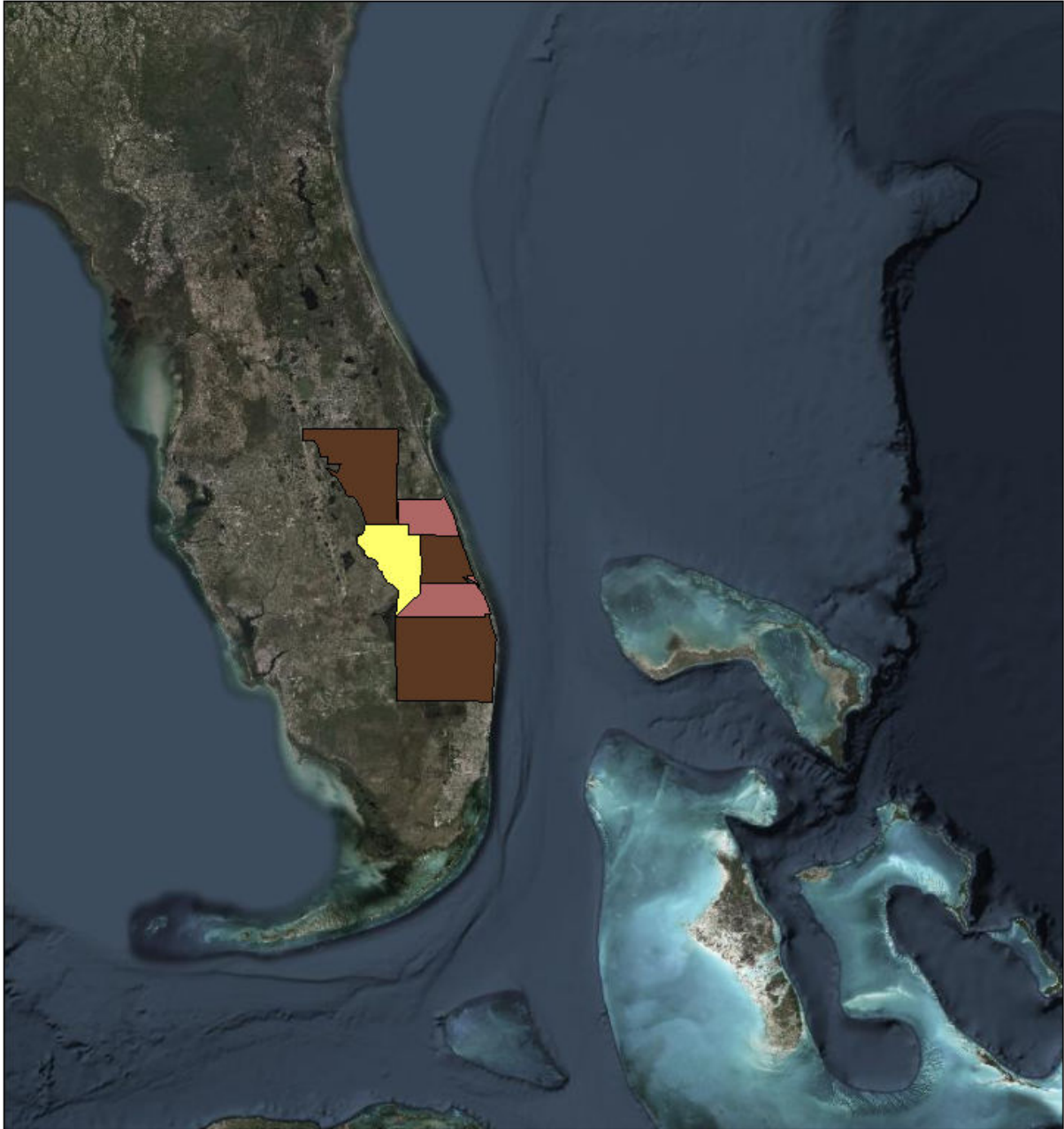
-  < 1000 units
-  1000 - 4999 units
-  5000 - 9999 units



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

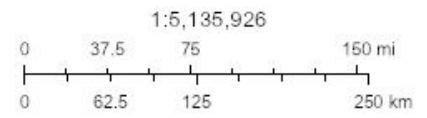
Created by SimSuite

Population



Population

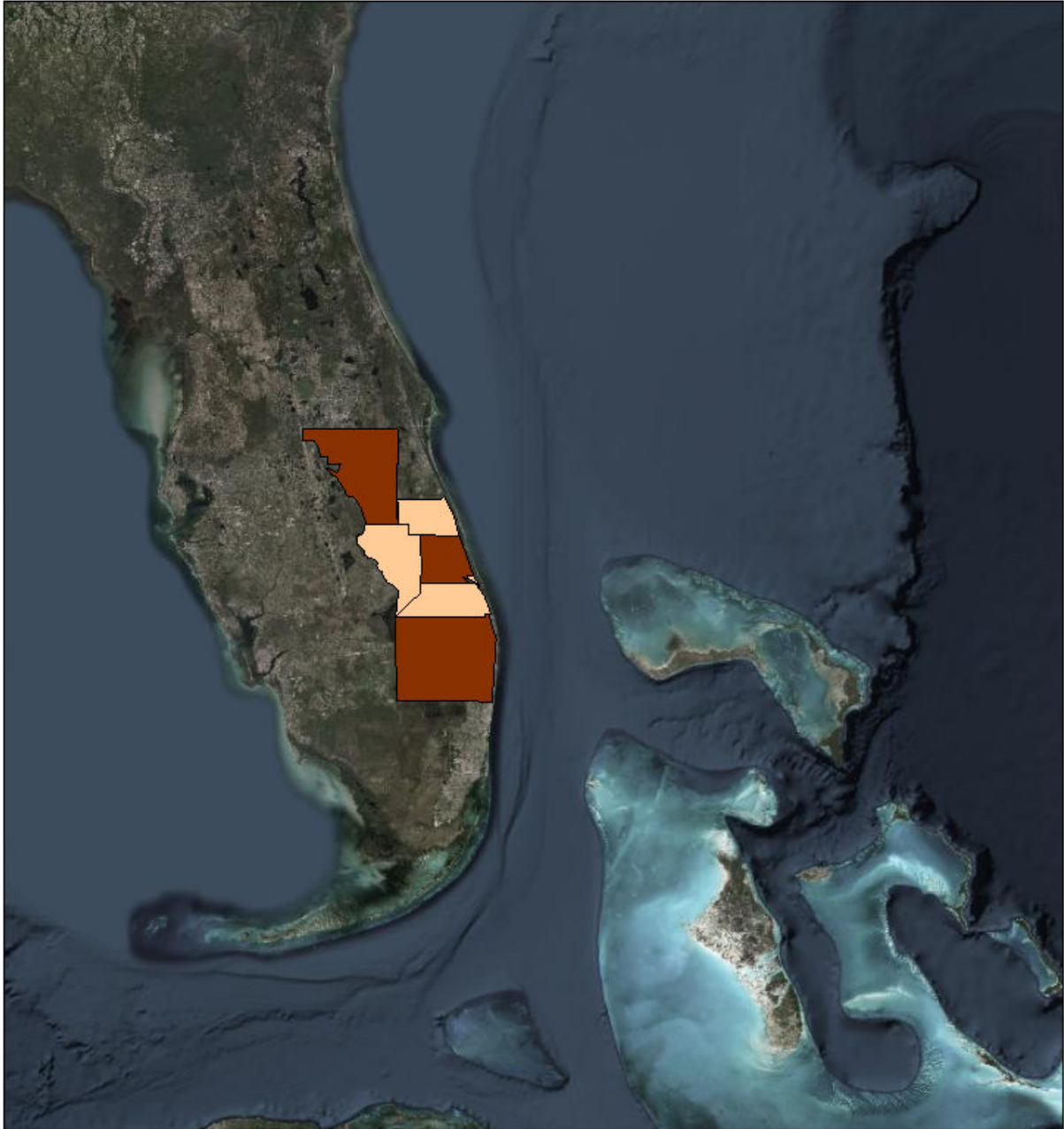
- 25,000 - 99,000 persons
- 100,000 - 174,999 persons



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

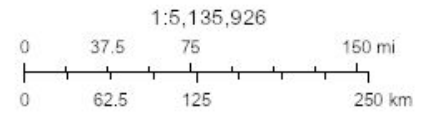
Created by SimSuite

Households



Households

 < 7,500 Households



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	6
Debris (cu. yd.)	476,547
Est. Temp. Roofing (units)	13,747
Act. Temp. Roofing (units)	1,100
Population	2,424,197
Households	881,441

Population Distribution	
Tropical Storm	3,659,566
Category 1	490,327

FLORIDA	Yds of Debris (476,547)	Est. Roof Units (13,747)	Act. Roof Units (1,100)	Population (2,424,197)	Households (881,441)
Indian River	57,154	1,649	132	149,718	60,176
Martin	108,411	3,127	250	156,333	63,899
Okeechobee	21,257	613	49	39,837	14,013
Osceola	175	5	0	333,980	90,603
Palm Beach	7,389	213	17	1,441,728	544,227
St. Lucie	282,160	8,139	651	302,601	108,523

Critical Infrastructure

Summary			
Total Critical Facilities		514	
Power Requirements (kW)		18,692.3	
Range (kW)			
Communications	# FED Gen Req	Range (kW)	Req kW
Cellular Towers (80)	48.0	35 - 75	2,640.0
FM Antennas (32)	1.6	35 - 75	88.0
Education	# FED Gen Req	Range (kW)	Req kW
Private Schools (38)	0.0	200 - 300	0.0
Public Schools (110)	33.0	200 - 300	8,250.0
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 (41)	4.1	15 - 35	102.5
Fire Stations (33)	3.3	15 - 35	82.5
Healthcare	# FED Gen Req	Range (kW)	Req kW
Nursing Homes (116)	17.4	35 - 100	1,174.5
Hospitals (13)	3.9	800 - 2000	5,460.0
Urgent Care Facilities (16)	3.2	200 - 300	800.0
Law Enforcement	# FED Gen Req	Range (kW)	Req kW
Local Police (15)	1.5	15 - 35	37.5
Correctional Facilities (0)	0.0	400 - 600	0.0
State and Local EOCs	# FED Gen Req	Range (kW)	Req kW
Local Emergency Operations Centers (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 (1)	0.0	100 - 300	0.0
Bus Stations (2)	0.0	100 - 300	0.0
Intermodal Terminal Facilities (2)	0.0	100 - 300	0.0
Railroad Stations (1)	0.0	100 - 300	0.0

Water and Wastewater	# FED Gen Req	Range (kW)	Req kW
Wastewater Treatment Plants (6)	0.3	35 - 70	15.8

Poverty Level

#	County	Cat	Pop. below Federal poverty line	% Population
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Social Vulnerability Index



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

#	Location	Cat	Overall SVI Score
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Report Generated by SimSuite

<https://simsuite.usace.army.mil/wab/v2.15/MissionModels/index.html#advid=285&oid=85&name=Hurricane%20Nicole&advisory=Advisory%20%2310&advlf=A>