



US Army Corps of Engineers
BUILDING STRONG®

Hurricane Nicole Advisory #5

For Planning Purposes Only!

WASHINGTON, DC
07:07:05
08 Nov 2022

CHICAGO
06:07:05
08 Nov 2022

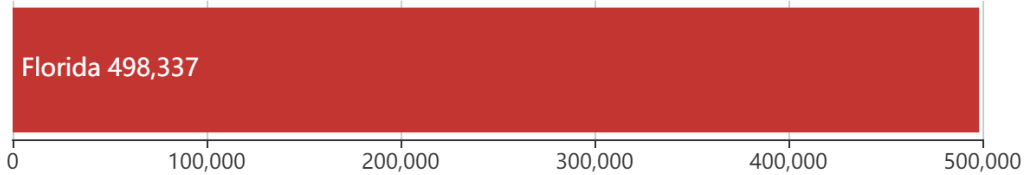
LOS ANGELES
04:07:05
08 Nov 2022

<https://simsuite.usace.army.mil/wab/v2.15/MissionModels/index.html#advid=282&oid=85&name=Hurricane%20Nicole&advisory=Advisory%20%235&advf=A>

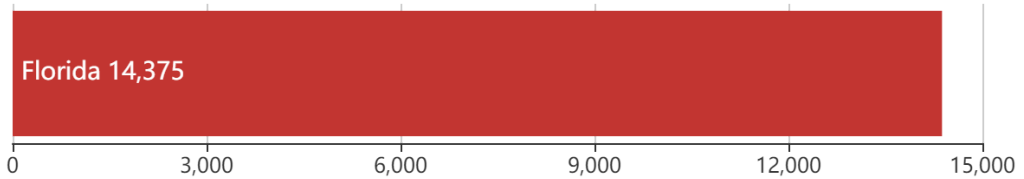
Updated as of 8 Nov 2022 (6:07 AM Central Standard Time)

Debris

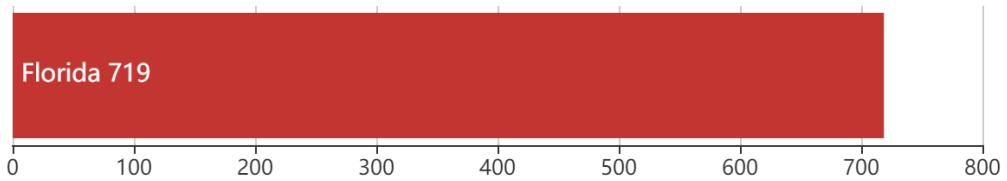
498.3K
cu. yd.



Est. Temp. Roofing
14.4K
units

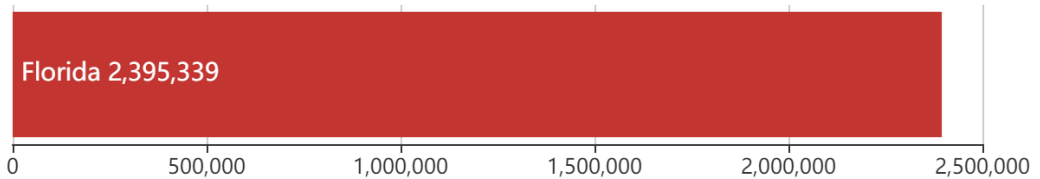


Act. Temp. Roofing
719
units



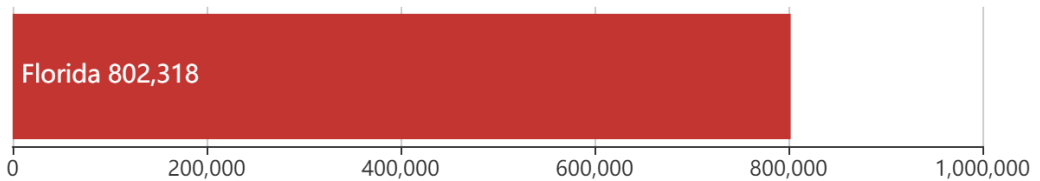
Population

2.4M
people



Households

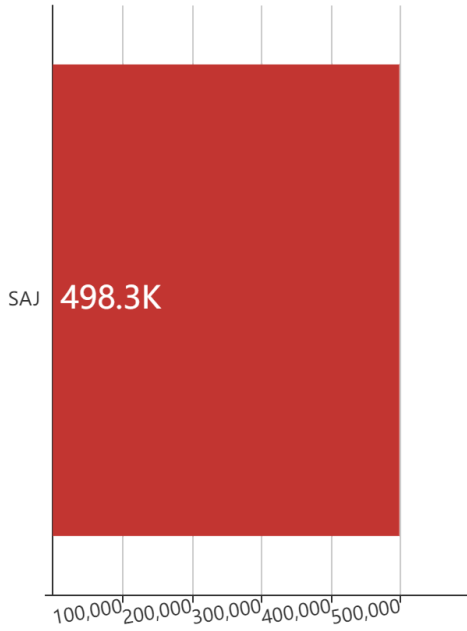
802.3K
households



Mission Model Summary

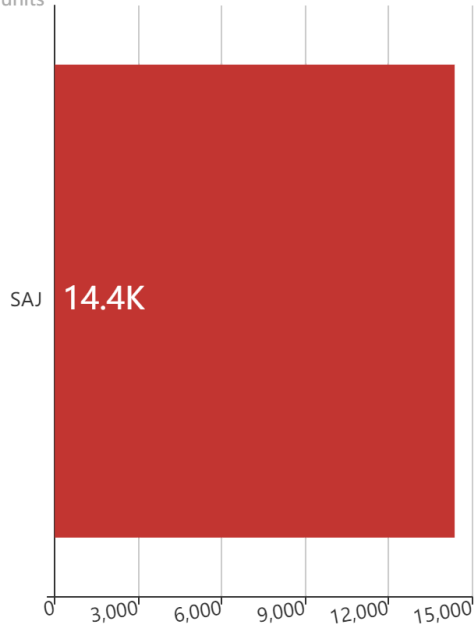
Debris By USACE District

cu. yd.

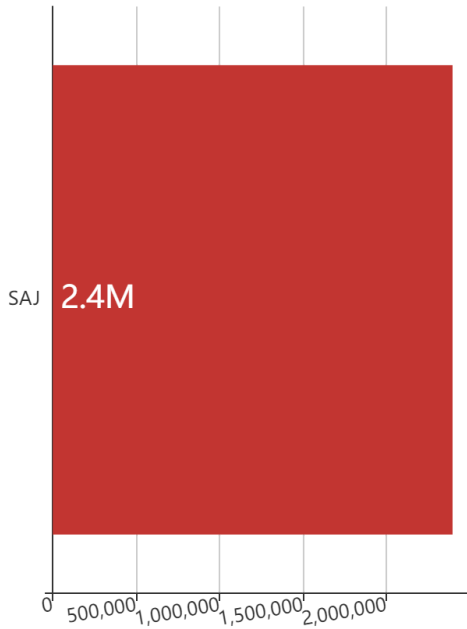


Est. Temp. Roofing By USACE District

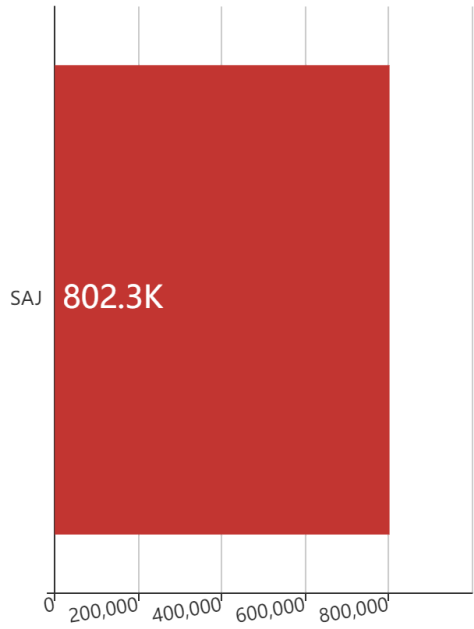
units



Population By USACE District



Households By USACE District



Critical Infrastructure Summary

Total

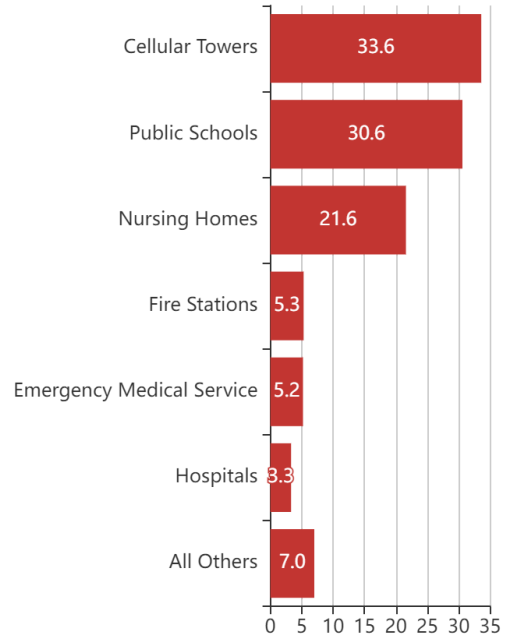


Power Requirements



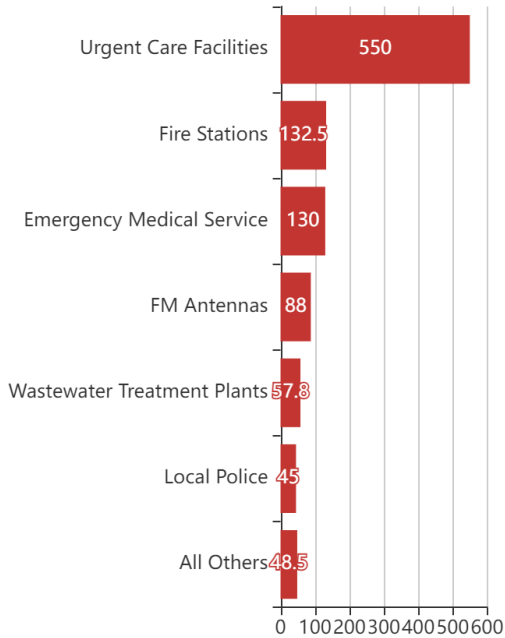
Generators

By Generator Count



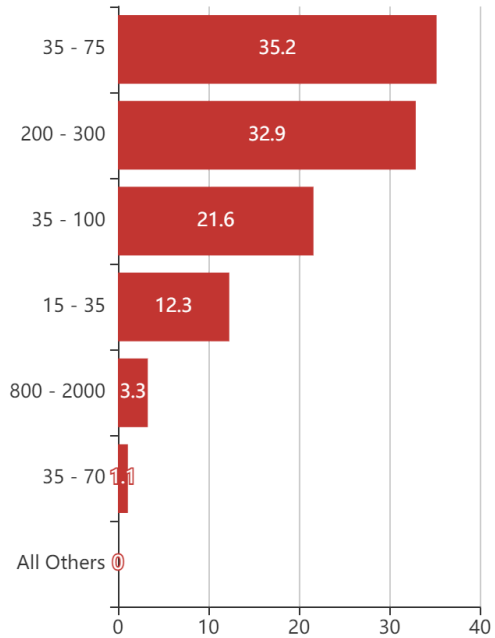
Generators

By Power Requirement



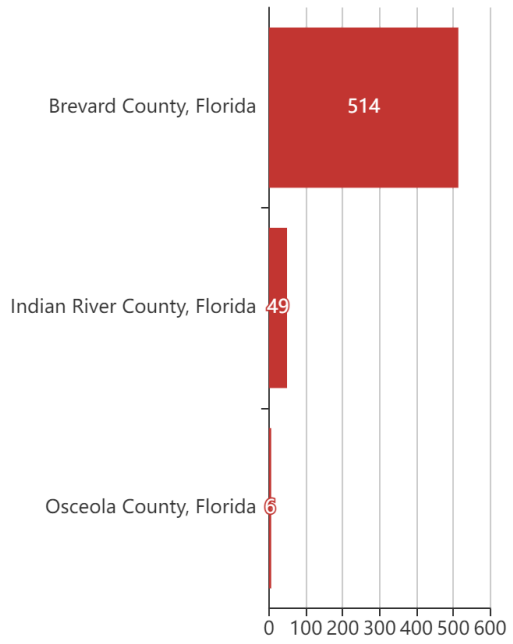
Generators

By Range



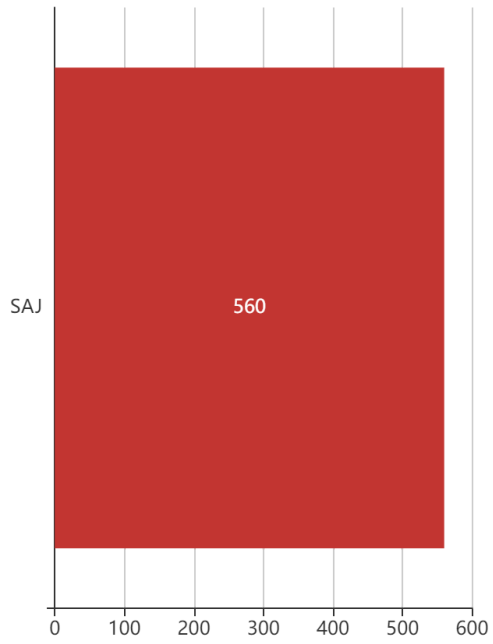
Structures

By County



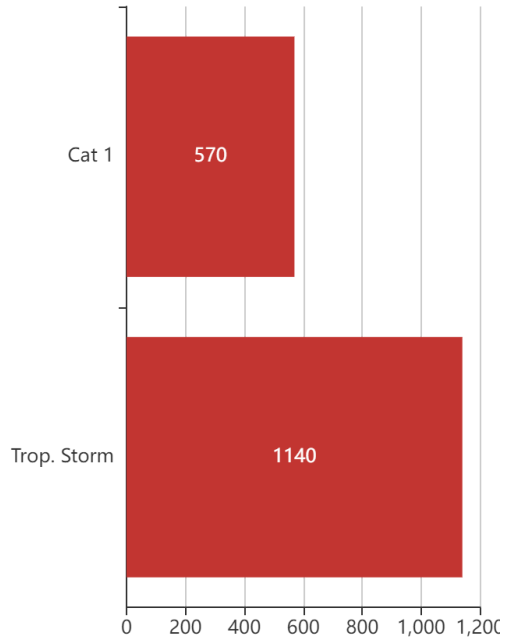
Structures

By USACE District

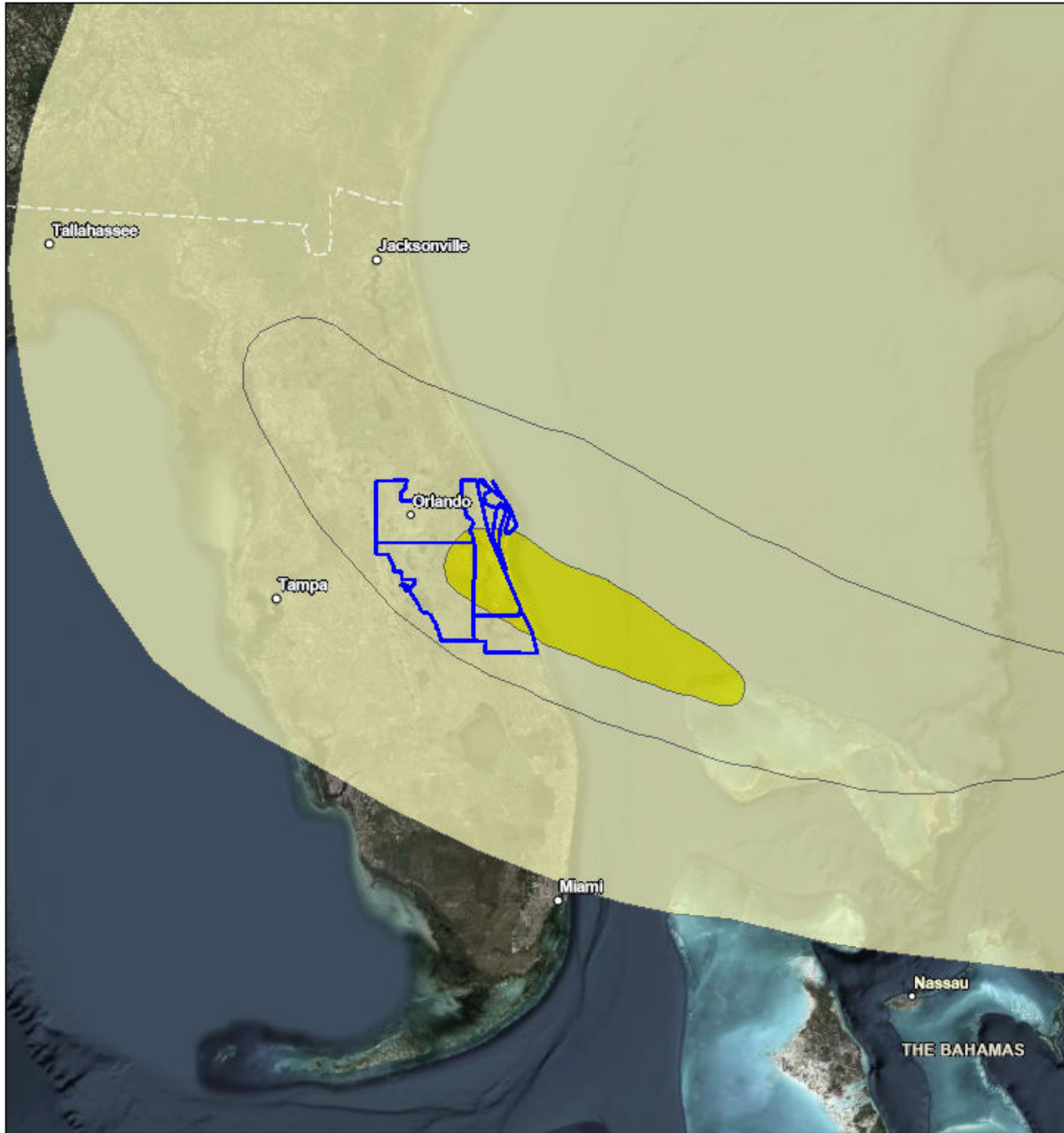





Structures

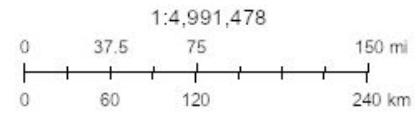
By Intensity



Letter ANSI A Portrait



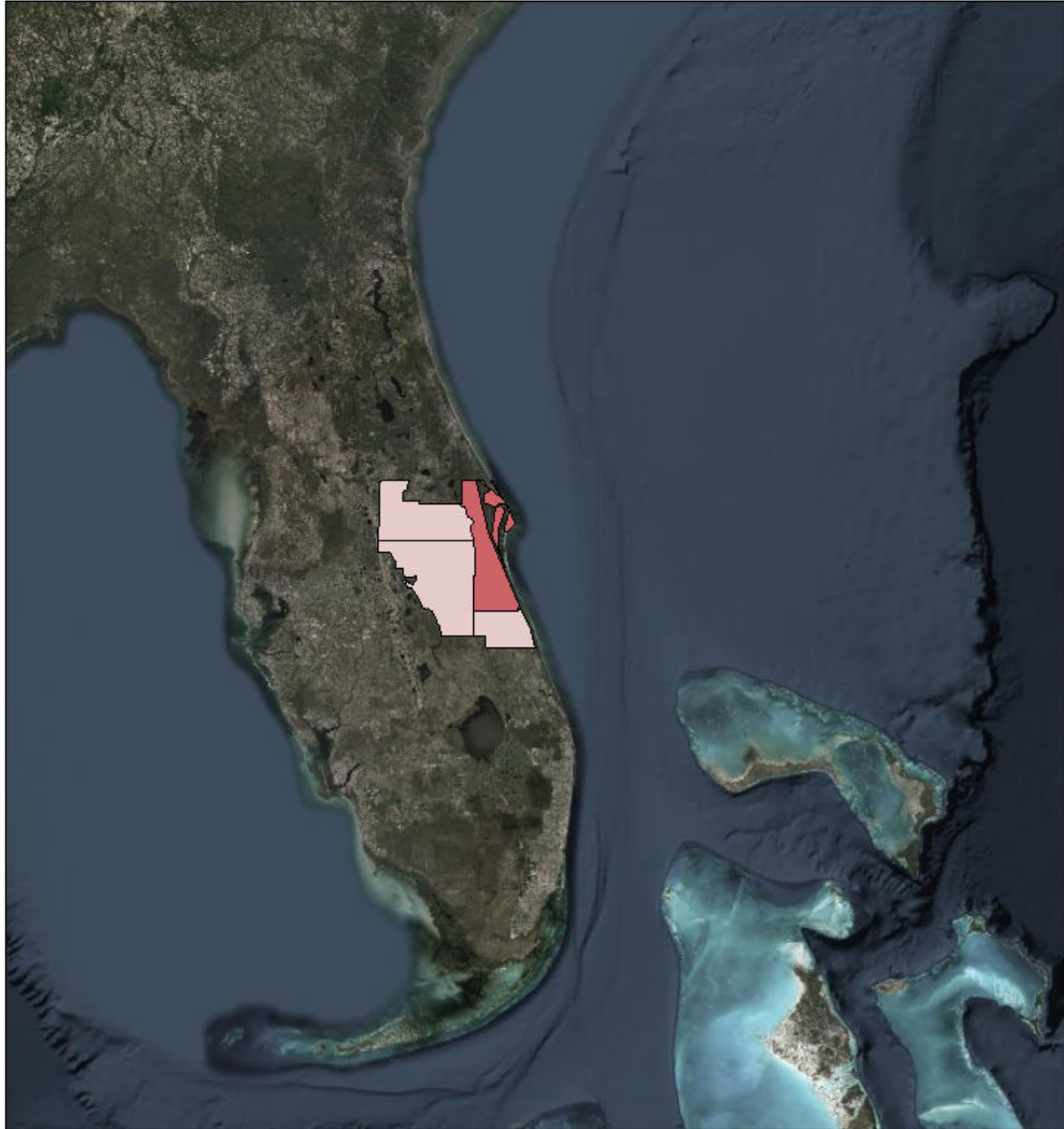
-  Counties
- Mission Model Swaths
 -  TS
 -  Cat 1



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

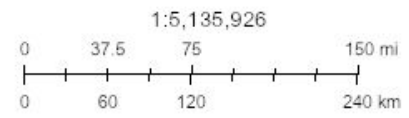
Debris



Debris

 < 100,000 cubic yards

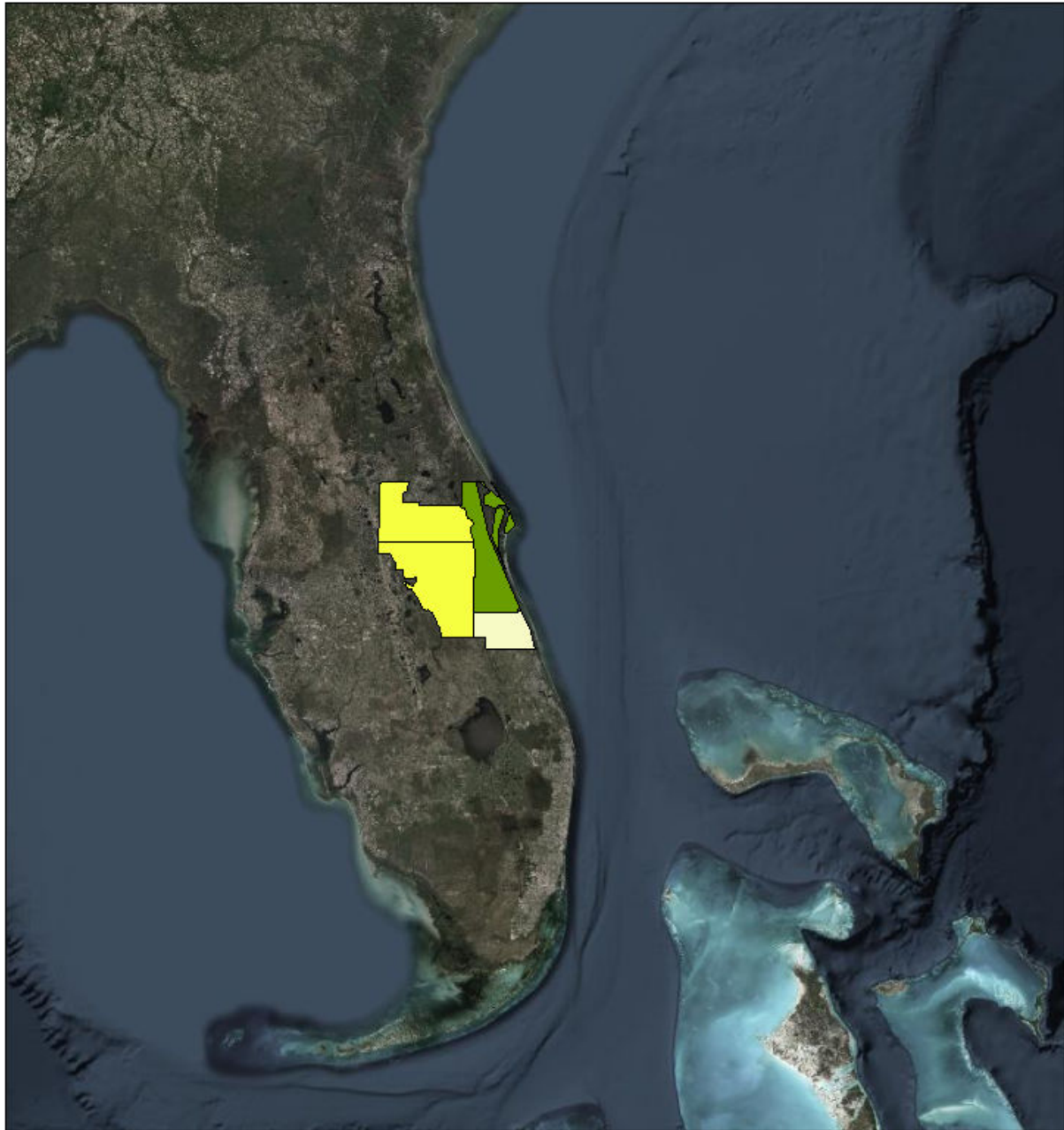
 250,000 - 499,999 cubic yards



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

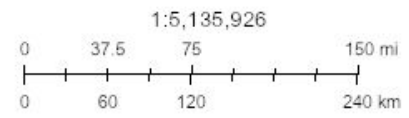
Created by SimSuite

Est. Temp. Roofing



Est. Temp. Roofing

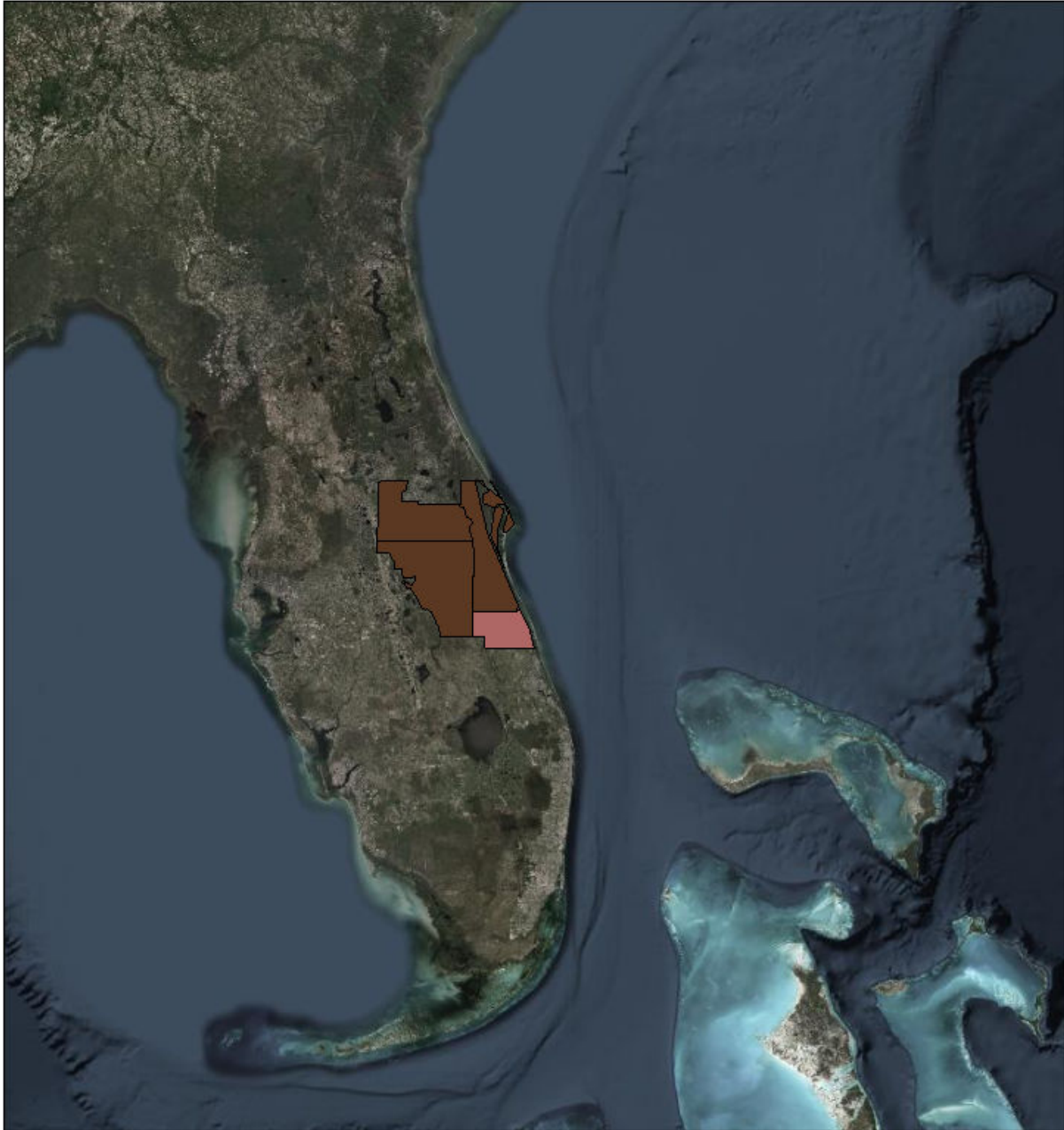
- < 1000 units
- 1000 - 4999 units
- 10,000 - 14,999 units



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

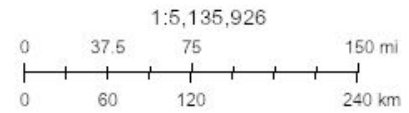
Created by SimSuite

Population



Population

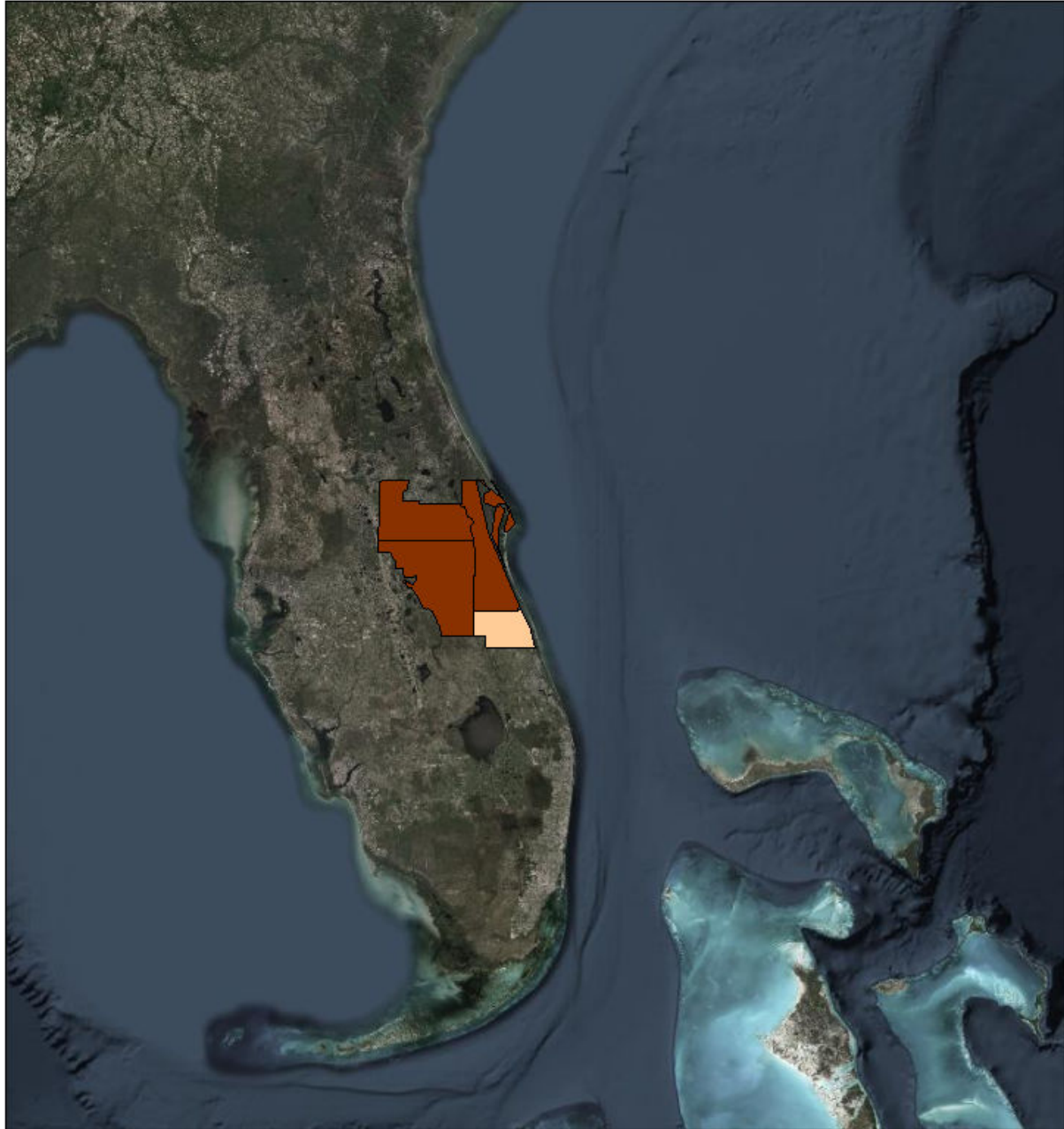
100,000 - 174,999 persons



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

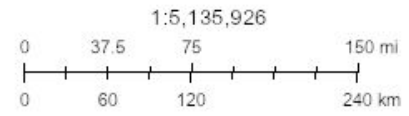
Created by SimSuite

Households



Households

 < 7,500 Households



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	4
Debris (cu. yd.)	498,337
Est. Temp. Roofing (units)	14,375
Act. Temp. Roofing (units)	719
Population	2,395,339
Households	802,318

Population Distribution	
Tropical Storm	4,790,678
Category 1	516,347

FLORIDA	Yds of Debris (498,337)	Est. Roof Units (14,375)	Act. Roof Units (719)	Population (2,395,339)	Households (802,318)
Brevard	380,091	10,964	548	578,927	229,692
Indian River	25,197	727	36	149,718	60,176
Orange	40,202	1,160	58	1,332,714	421,847
Osceola	52,847	1,524	76	333,980	90,603

Critical Infrastructure

Summary			
Total Critical Facilities		570	
Power Requirements (kW)		16,614.8	
Range (kW)			
Communications	# FED Gen Req	Range (kW)	Req kW
Cellular Towers (56)	33.6	35 - 75	1,848.0
FM Antennas (32)	1.6	35 - 75	88.0
Education	# FED Gen Req	Range (kW)	Req kW
Private Schools (57)	0.0	200 - 300	0.0
Public Schools (102)	30.6	200 - 300	7,650.0
Colleges and Universities (6)	0.1	200 - 300	30.0
Emergency Services	# FED Gen Req	Range (kW)	Req kW
911 Call Centers (0)	0.0	15 - 35	0.0
Emergency Medical Service (52)	5.2	15 - 35	130.0
Fire Stations (53)	5.3	15 - 35	132.5
Healthcare	# FED Gen Req	Range (kW)	Req kW
Nursing Homes (144)	21.6	35 - 100	1,458.0
Hospitals (11)	3.3	800 - 2000	4,620.0
Urgent Care Facilities (11)	2.2	200 - 300	550.0
Law Enforcement	# FED Gen Req	Range (kW)	Req kW
Local Police (18)	1.8	15 - 35	45.0
Correctional Facilities (0)	0.0	400 - 600	0.0
State and Local EOCs	# FED Gen Req	Range (kW)	Req kW
Local Emergency Operations Centers (1)	0.2	15 - 40	5.5
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 (3)	0.0	100 - 300	0.0
Intermodal Terminal Facilities (2)	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 (22)	1.1	35 - 70	57.8

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/index.html#advid=282&oid=85&name=Hurricane%20Nicole&advisory=Advisory%20%235&advf=A>