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Hurricane Elsa Adv. #26

For Planning Purposes Only!

WASHINGTON, DC	CHICAGO	LOS ANGELES
15:53:04	14:53:04	12:53:04
06 Jul 2021	06 Jul 2021	06 Jul 2021

https://go.usa.gov/x6Mr4

Updated as of 6 Jul 2021 (2:53 PM Central Daylight Time)

Debris
700,912
cu. yd.
- Florida 100% (700,912)
- Georgia <1% (0)
- South Carolina <1% (0)

Est. Temporary Roofing
1,402
units
- Florida 100% (1,402)
- Georgia <1% (0)
- South Carolina <1% (0)

Act. Temporary Roofing
841
units
- Florida 167% (1,402)
- Georgia <1% (0)
- South Carolina <1% (0)

Population
9,860,927
people
- Florida 90% (8,890,963)
- Georgia 8% (752,413)
- South Carolina 2% (217,551)

Households
3,626,722
households
- Florida 91% (3,292,410)
- Georgia 7% (260,850)
- South Carolina 2% (73,462)
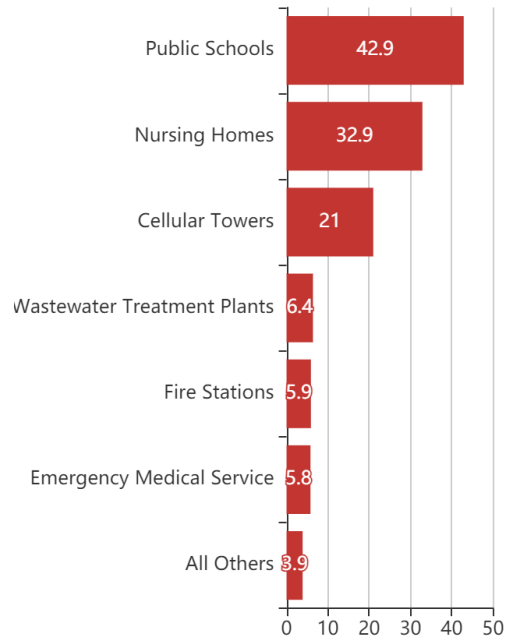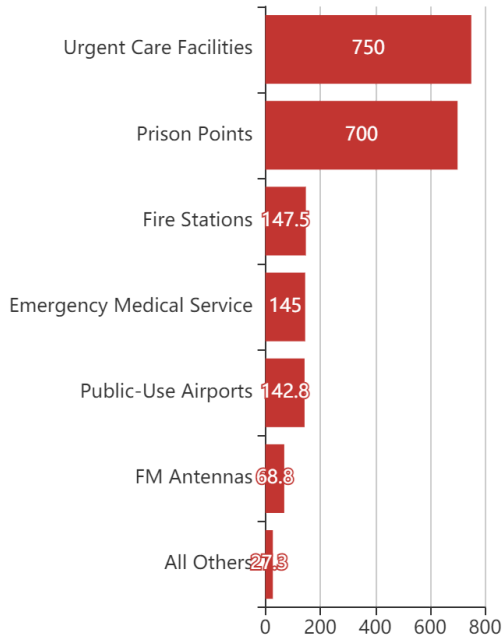
Critical Infrastructure Summary

Total

729
critical facilities

Power Requirements

30.2
MW

Generators
By Generator Count

Category	Value
Public Schools	42.9
Nursing Homes	32.9
Cellular Towers	21
Wastewater Treatment Plants	6.4
Fire Stations	5.9
Emergency Medical Service	5.8
All Others	3.9

Generators
By Power Requirement

Category	Value
Urgent Care Facilities	750
Prison Points	700
Fire Stations	147.5
Emergency Medical Service	145
Public-Use Airports	142.8
FM Antennas	68.8
All Others	27.3

Generators
By Range

Category	Value
200 - 300	46.2
35 - 100	32.9
35 - 75	22.6
15 - 35	13.1
800 - 2000	10.0
40 - 100	2.0
All Others	0

Structures
By County

County	Structures
Pinellas, Florida	442
Pasco, Florida	185
Levy, Florida	36
Alachua, Florida	19
Citrus, Florida	14
Gilchrist, Florida	13
Hernando, Florida	2

Structures
By Intensity

Intensity	Structures
Cat 1	729
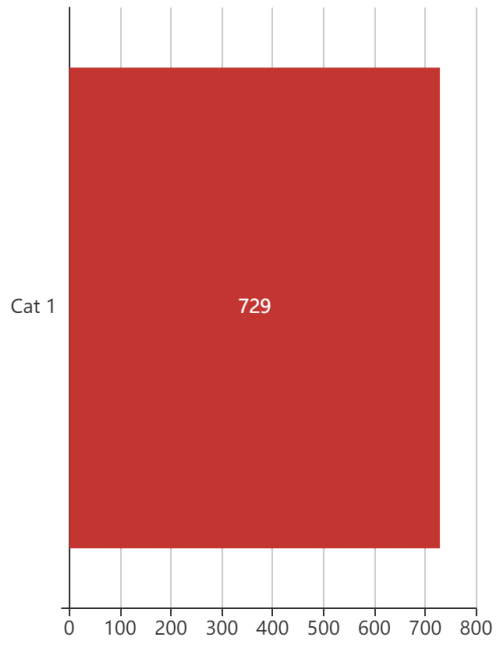
Key Messages for Tropical Storm Elsa
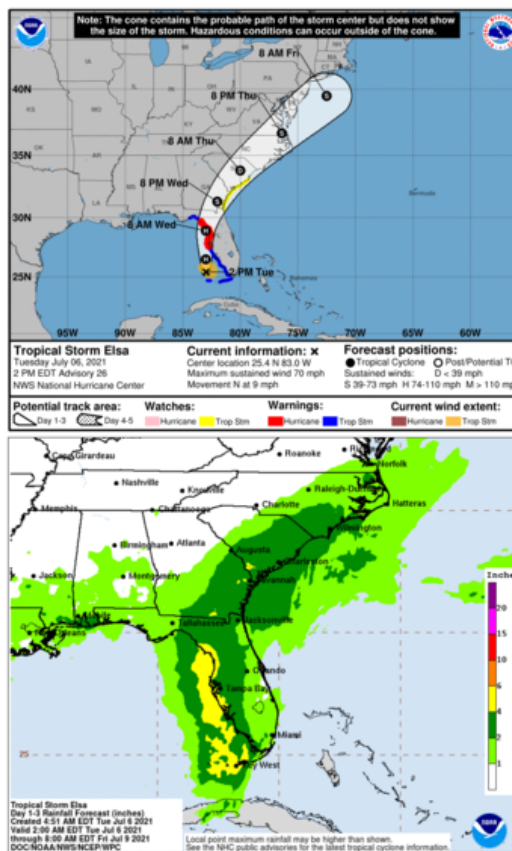## Advisory 26: 2:00 PM EDT Tue Jul 06, 2021

1. Heavy rain will impact Cuba today resulting in significant flooding and mudslides. As Elsa moves near or along the western Florida Peninsula through Wednesday, heavy rainfall may result in isolated flash, urban, and minor river flooding, with considerable flash and urban flooding possible in southwest and western portions of Florida. Mid to late week, heavy rainfall across coastal Georgia, South Carolina, North Carolina, and southeastern Virginia may result in isolated flash and urban flooding, with considerable flash and urban flooding possible across coastal Georgia and the Lowcountry of South Carolina.
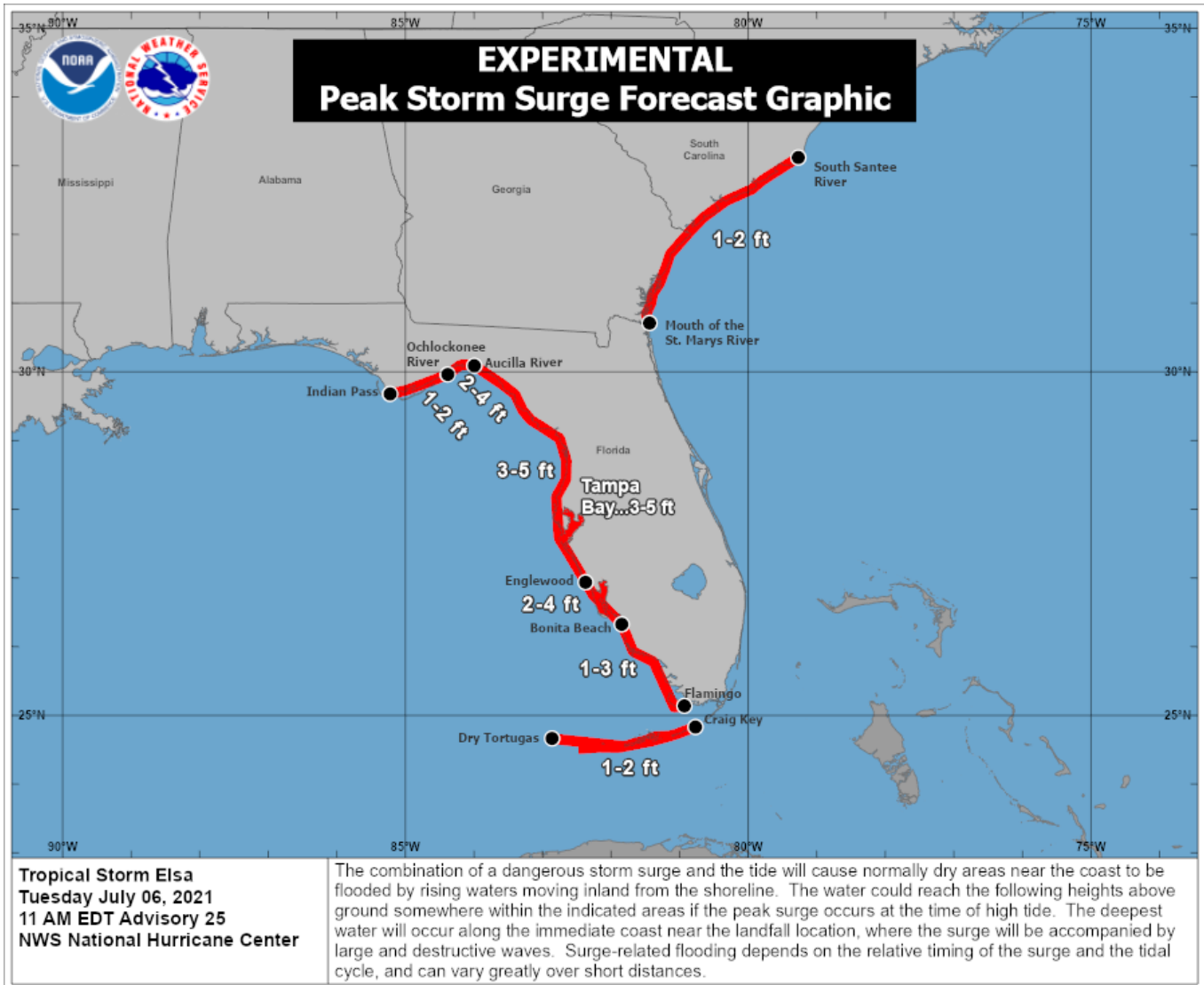
2. There is a danger of life-threatening storm surge along portions of the west coast of Florida tonight and Wednesday, and a Storm Surge Warning is in effect for that area.
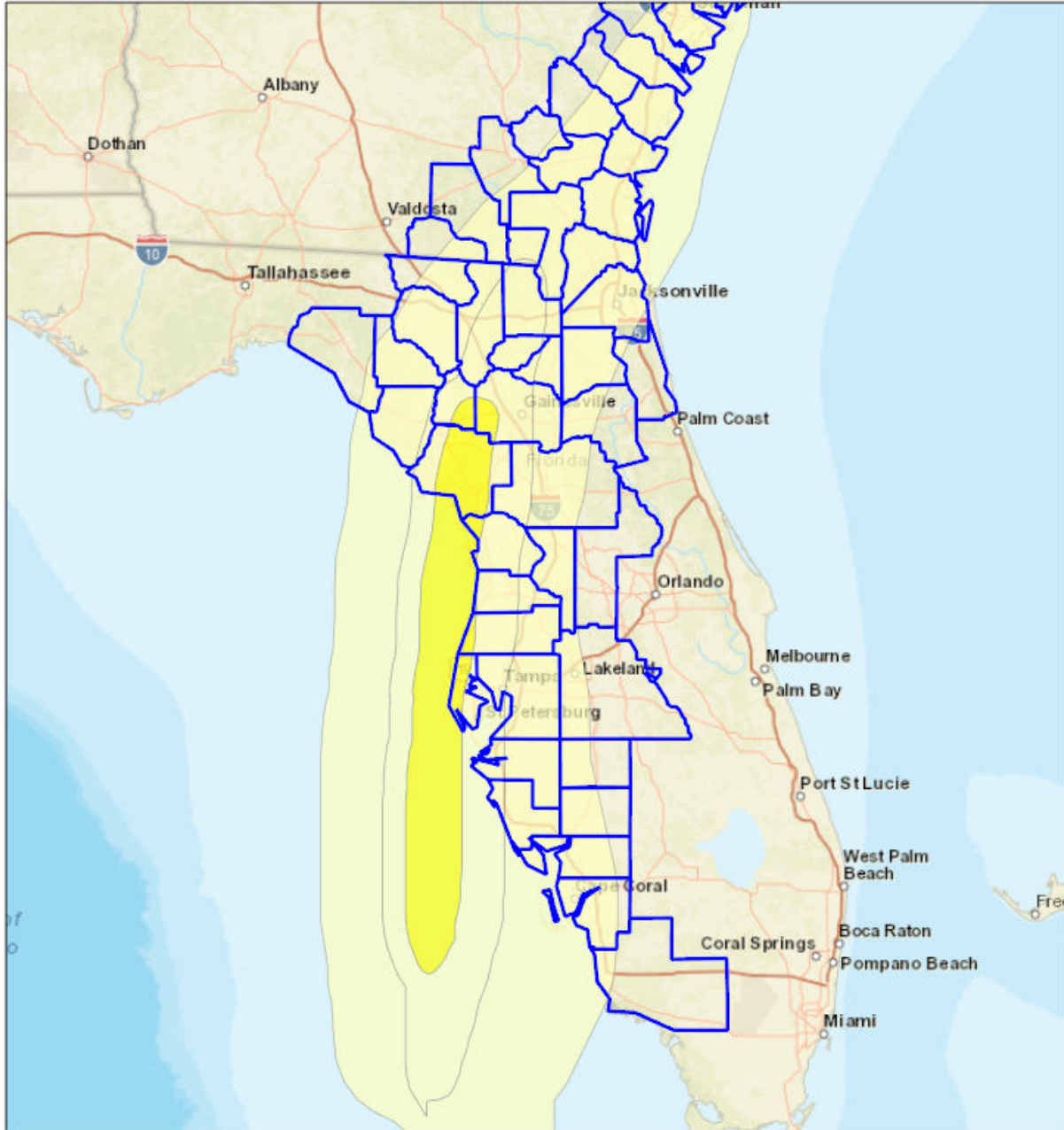
3. Hurricane conditions are expected tonight and early Wednesday along a portion of the west coast of Florida, where a Hurricane Warning is in effect. Tropical storm conditions are occurring across portions of the Florida Keys and are expected to spread northward along much of the west coast of the state through Wednesday morning, where a Tropical Storm Warning is in effect.

4. A Tropical Storm Watch is in effect for the Georgia coast and portions of the South Carolina coast, where tropical storm conditions are possible late Wednesday and early Thursday.

For more information go to hurricanes.gov

EXPERIMENTAL
Peak Storm Surge Forecast Graphic

South Santee River — 1-2 ft

Mouth of the St. Marys River

Ochlockonee River / Aucilla River — 2-4 ft

Indian Pass — 1-2 ft

3-5 ft

Tampa Bay...3-5 ft

Englewood — 2-4 ft

Bonita Beach — 1-3 ft

Flamingo / Craig Key

Dry Tortugas — 1-2 ft

Tropical Storm Elsa
Tuesday July 06, 2021
11 AM EDT Advisory 25
NWS National Hurricane Center

The combination of a dangerous storm surge and the tide will cause normally dry areas near the coast to be flooded by rising waters moving inland from the shoreline. The water could reach the following heights above ground somewhere within the indicated areas if the peak surge occurs at the time of high tide. The deepest water will occur along the immediate coast near the landfall location, where the surge will be accompanied by large and destructive waves. Surge-related flooding depends on the relative timing of the surge and the tidal cycle, and can vary greatly over short distances.

Counties

Mission Model Swaths

TS

Cat 1

1:4,378,377

| 0 | 30 | 60 | 120 mi |

| 0 | 50 | 100 | 200 km |
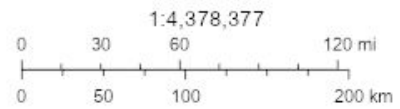
Esri, HERE, Garmin, NGA, USGS, NPS

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Debris
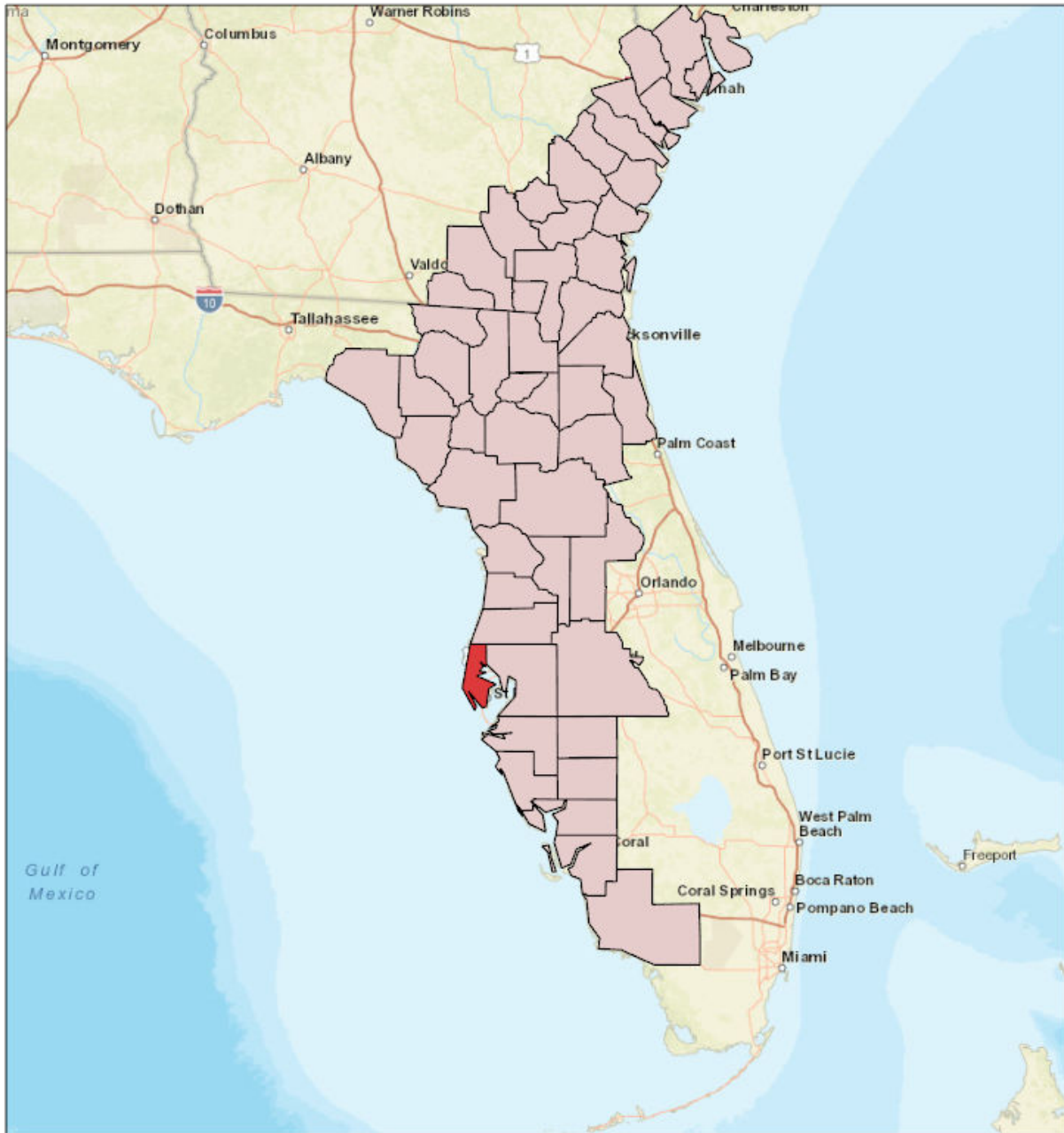
Debris

 < 100,000 cubic yards

 500,000 - 999,999 cubic yards

1:5,135,926

| 0 | 37.5 | 75 | 150 mi |
| 0 | 60 | 120 | 240 km |
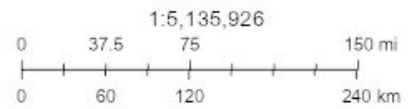
Esri, HERE, Garmin, NGA, USGS, NPS

Created by SimSuite

Est. Temp. Roofing

Est. Temp. Roofing

< 2,000 units

1:5,135,926

| 0 | 37.5 | 75 | | 150 mi |
| 0 | 60 | 120 | | 240 km |
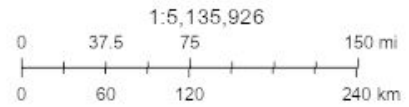
Esri, HERE, Garmin, NGA, USGS, NPS

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Population
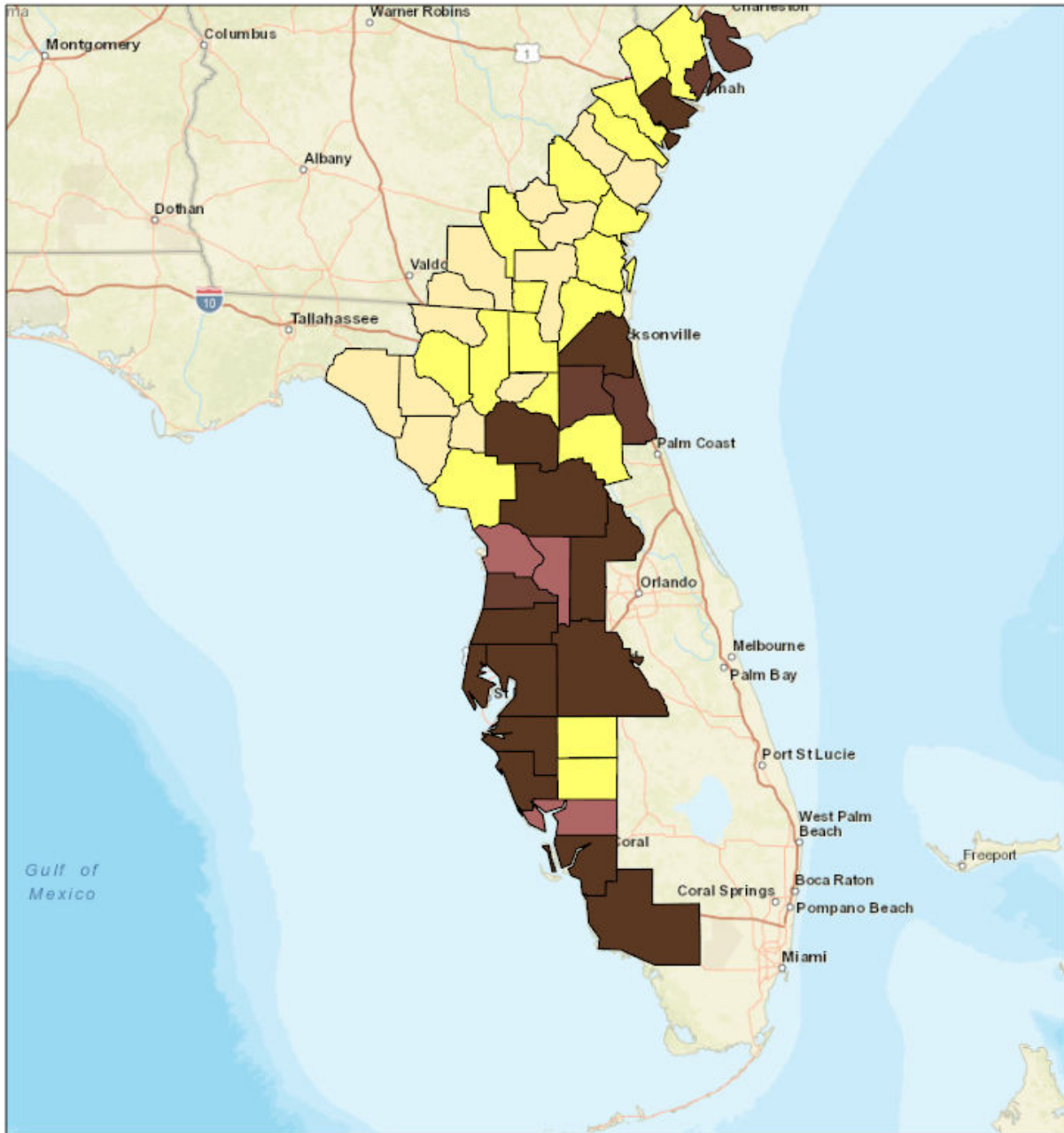
Population

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

1:5,135,926

| 0 | 37.5 | 75 | 150 mi |
| 0 | 60 | 120 | 240 km |
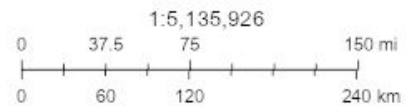
Esri, HERE, Garmin, NGA, USGS, NPS

Created by SimSuite

Households

1:5,135,926

| 0 | 37.5 | 75 | 150 mi |

| 0 | 60 | 120 | 240 km |

Esri, HERE, Garmin, NGA, USGS, NPS
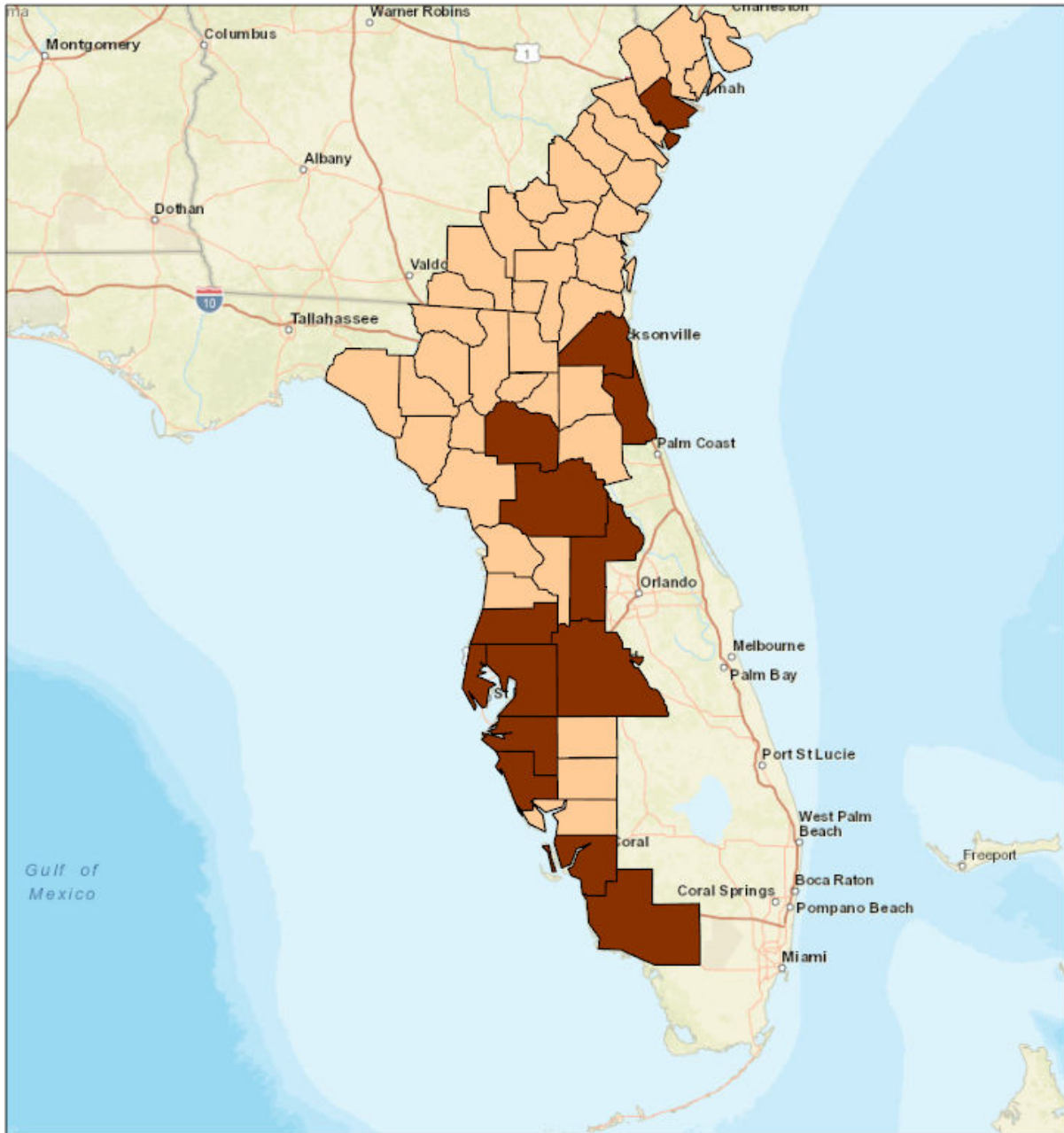
Households

- < 7,500 Households
- 15,000 - 24,999 Households
- 25,000 - 49,999 Households
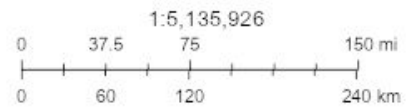
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Mission Summary

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	50
Debris (cu. yd.)	700,912
Est. Temp. Roofing (units)	1,402
Act. Temp. Roofing (units)	841
Population	9,860,927
Households	3,626,722

Population Distribution	
Tropical Storm	6,926,364
Category 1	641,095

FLORIDA	Yds of Debris (700,912)	Est. Roof Units (1,402)	Act. Roof Units (841)	Population (8,890,963)	Households (3,292,410)
Alachua	37,482	75	45	262,216	100,516
Baker	0	0	0	28,042	8,772
Bradford	0	0	0	26,996	9,479
Charlotte	0	0	0	173,978	73,370
Citrus	18,014	36	22	144,825	63,304
Clay	0	0	0	209,524	68,792
Collier	0	0	0	368,652	133,179
Columbia	0	0	0	69,419	24,941
DeSoto	0	0	0	36,506	11,445
Dixie	0	0	0	16,299	6,316
Duval	0	0	0	932,755	342,450
Gilchrist	4,890	10	6	17,436	6,121
Hamilton	0	0	0	14,344	4,617
Hardee	0	0	0	28,518	8,245
Hernando	3,079	6	4	182,273	71,745
Hillsborough	0	0	0	1,382,695	474,030
Lafayette	0	0	0	8,476	2,580
Lake	0	0	0	339,742	121,289
Lee	0	0	0	720,426	259,818
Levy	26,661	53	32	41,097	16,404
Manatee	0	0	0	376,566	135,729
Marion	0	0	0	350,915	137,726
Nassau	0	0	0	80,628	28,794
Pasco	46,254	93	56	512,082	189,612
Pinellas	564,532	1,129	677	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
St. Johns	0	0	0	238,439	75,338
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

GEORGIA	Yds of Debris (0)	Est. Roof Units (0)	Act. Roof Units (0)	Population (752,413)	Households (260,850)
Brantley	0	0	0	18,729	6,885
Bryan	0	0	0	37,469	10,738
Camden	0	0	0	53,037	18,047
Charlton	0	0	0	13,121	3,927
Chatham	0	0	0	292,686	103,038
Clinch	0	0	0	6,915	2,572
Echols	0	0	0	4,137	1,329
Effingham	0	0	0	60,602	18,092
Glynn	0	0	0	84,625	31,774
Liberty	0	0	0	64,510	22,155
Long	0	0	0	18,728	5,023
McIntosh	0	0	0	13,862	5,971
Pierce	0	0	0	19,286	7,083
Ware	0	0	0	35,094	13,654
Wayne	0	0	0	29,612	10,562

SOUTH CAROLINA	Yds of Debris (0)	Est. Roof Units (0)	Act. Roof Units (0)	Population (217,551)	Households (73,462)
Beaufort	0	0	0	187,450	64,945
Jasper	0	0	0	30,101	8,517

SOUTH CAROLINA	Yds of Debris (0)	Est. Roof Units (0)	Act. Roof Units (0)	Population (217,551)	Households (73,462)

Critical Infrastructure

Summary	
Total Critical Facilities	729
Power Requirements (kW)	30,183.3

Range (kW)	

Communications	# FED Gen Req	Range (kW)	Req kW
AM Antennas (6)	0.3	35 - 75	16.5
Cellular Towers (35)	21.0	35 - 75	1,155.0
FM Antennas (25)	1.3	35 - 75	68.8

Education	# FED Gen Req	Range (kW)	Req kW
Private Schools (53)	0.0	200 - 300	0.0
Public Schools (143)	42.9	200 - 300	10,725.0
Colleges and Universities (13)	0.3	200 - 300	65.0

Emergency Services	# FED Gen Req	Range (kW)	Req kW
911 Call Centers (0)	0.0	15 - 35	0.0
Emergency Medical Service (58)	5.8	15 - 35	145.0
Fire Stations (59)	5.9	15 - 35	147.5
Service Providers (0)	0.0	0 - 0	0.0

Healthcare	# FED Gen Req	Range (kW)	Req kW
Nursing Homes (219)	32.9	35 - 100	2,217.4
Hospitals (12)	3.6	800 - 2000	5,040.0
Urgent Care Facilities (15)	3.0	200 - 300	750.0

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 (17)	0.0	15 - 35	0.0

Law Enforcement	# FED Gen Req	Range (kW)	Req kW
Prison Points (7)	1.4	400 - 600	700.0
Local Police (13)	1.3	15 - 35	32.5
State Police (1)	0.1	15 - 35	1.3
Correctional Facilities (0)	0.0	400 - 600	0.0

State and Local EOC	# FED Gen Req	Range (kW)	Req kW
Local Emergency Operations Centers (3)	0.6	15 - 40	16.5
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 (1)	0.0	600 - 1200	0.0
Amtrak Stations (0)	0.0	100 - 300	0.0
Bus Stations (14)	0.0	100 - 300	0.0
Intermodal Terminal Facilities (0)	0.0	100 - 300	0.0
Railroad Stations (2)	0.0	100 - 300	0.0
Public-Use Airports (17)	2.0	40 - 100	142.8

Water	# FED Gen Req	Range (kW)	Req kW
Water Treatment Facilities (0)	0.0	800 - 2000	0.0
Wastewater Treatment Plants (16)	6.4	800 - 2000	8,960.0

COVID-19

#	County	Cases
1	Hillsborough	147,394
2	Duval	104,659
3	Pinellas	82,969
4	Lee	75,330
5	Polk	72,946
6	Pasco	43,789
7	Manatee	40,588
8	Collier	38,011
9	Sarasota	34,230
10	Marion	32,460
11	Lake	31,924
12	Alachua	25,834
13	St. Johns	24,170
14	Chatham	23,766
15	Clay	19,906
16	Beaufort	17,175
17	Hernando	15,081
18	Charlotte	13,697
19	Citrus	11,649
20	Sumter	9,676
21	Nassau	9,036
22	Columbia	8,398
23	Glynn	8,343
24	Putnam	6,898
25	Suwannee	5,458
26	Ware	4,983
27	Effingham	4,714
28	DeSoto	4,475
29	Liberty	4,191
30	Camden	4,123
31	Bryan	3,771
32	Baker	3,682
33	Levy	3,649
34	Wayne	3,640
35	Hardee	3,408
36	Bradford	3,119
37	Taylor	2,769
38	Pierce	2,531
39	Jasper	2,436

40	Union	1,892
41	Brantley	1,673
42	Gilchrist	1,656
43	Hamilton	1,656
44	Dixie	1,650
45	Lafayette	1,631
46	Charlton	1,612
47	Clinch	987
48	Long	883
49	McIntosh	866
50	Echols	478

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