Hurricane Sally Adv. #18

US Army Corps of Engineers
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WASHINGTON, DC	CHICAGO	LOS ANGELES
18:37:16	17:37:16	15:37:16
15 Sep 2020	15 Sep 2020	15 Sep 2020

https://go.usa.gov/xG5Se

Updated as of 15 Sep 2020 (6:37 PM Eastern Daylight Time)

Debris

702,201 cu. yd.

- Alabama 58% (408,173)
- Florida 41% (285,991)
- Mississippi 1% (8,037)
- Louisiana <1% (0)

Temporary Roofing

2,453 units

- Alabama 51% (1,254)
- Florida 48% (1,174)
- Mississippi 1% (25)
- Louisiana <1% (0)

Population

2,313,656 people

- Alabama 48% (1,099,760)
- Florida 34% (783,584)
- Mississippi 18% (409,059)
- Louisiana <1% (21,252)

Households

828,260 households

- Alabama 49% (404,233)
- Florida 32% (263,099)
- Mississippi 18% (149,698)
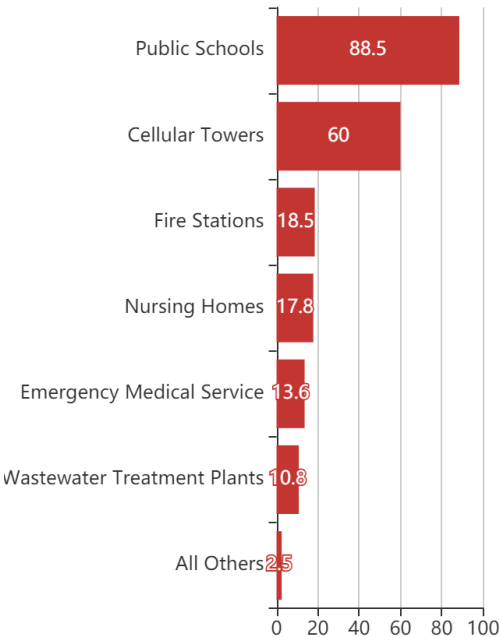- Louisiana 1% (11,229)

Critical Infrastructure Summary

Total

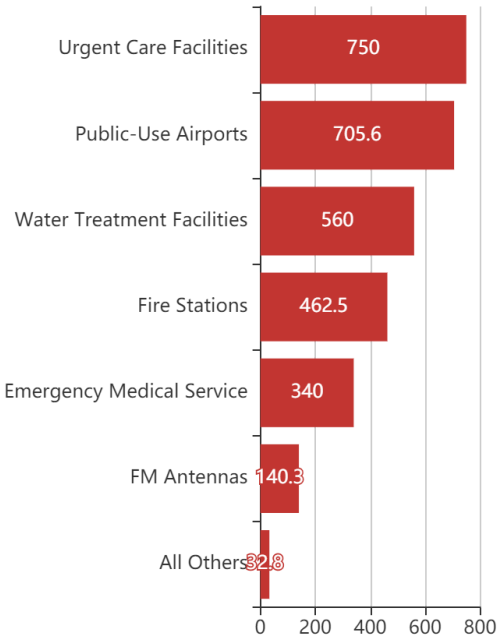**1.7K**
critical facilities

Power Requirements

61.2
MW

Generators
By Generator Count

Facility	Value
Public Schools	88.5
Cellular Towers	60
Fire Stations	18.5
Nursing Homes	17.8
Emergency Medical Service	13.6
Wastewater Treatment Plants	10.8
All Others	2.5

Generators
By Power Requirement

Facility	Value
Urgent Care Facilities	750
Public-Use Airports	705.6
Water Treatment Facilities	560
Fire Stations	462.5
Emergency Medical Service	340
FM Antennas	140.3
All Others	32.8

Generators
By Range

Range	Value
200 - 300	91.9
35 - 75	64.1
15 - 35	36.3
800 - 2000	20.8
35 - 100	17.8
40 - 100	10.1
All Others	0

Structures
By County

County	Structures
Mobile, Alabama	550
Escambia, Florida	395
Baldwin, Alabama	298
Santa Rosa, Florida	179
Escambia, Alabama	96
Jackson, Mississippi	17
Monroe, Alabama	6
Conecuh, Alabama	2
Clarke, Alabama	2

Structures
By Intensity

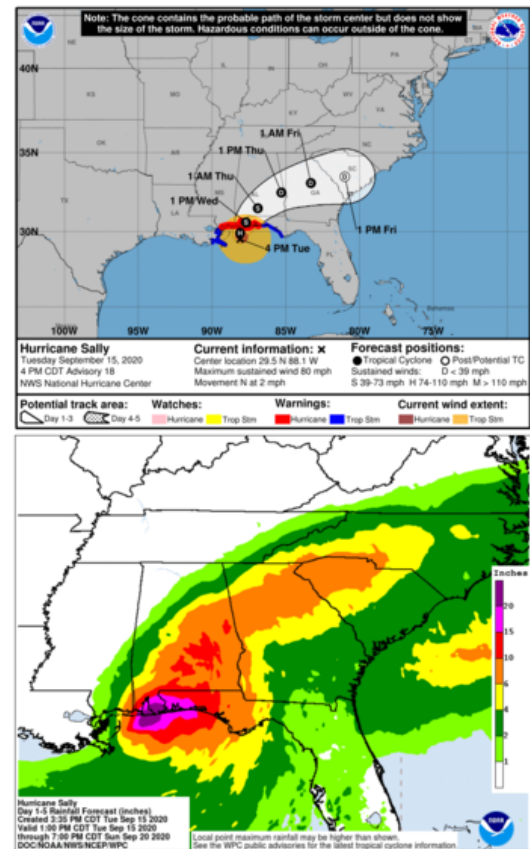| Intensity	Structures
Cat 1	1728
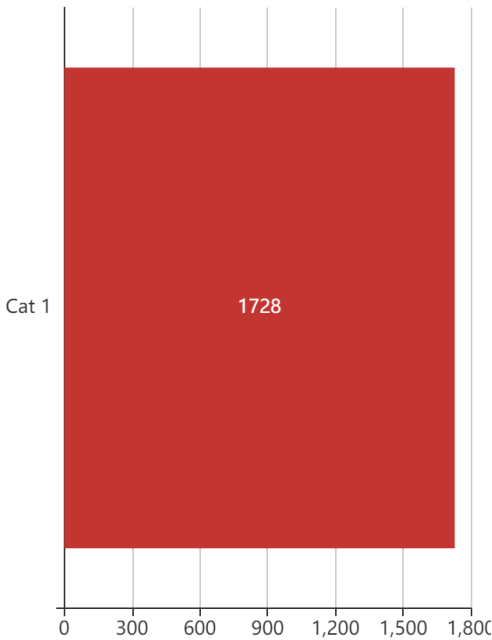
Key Messages for Hurricane Sally
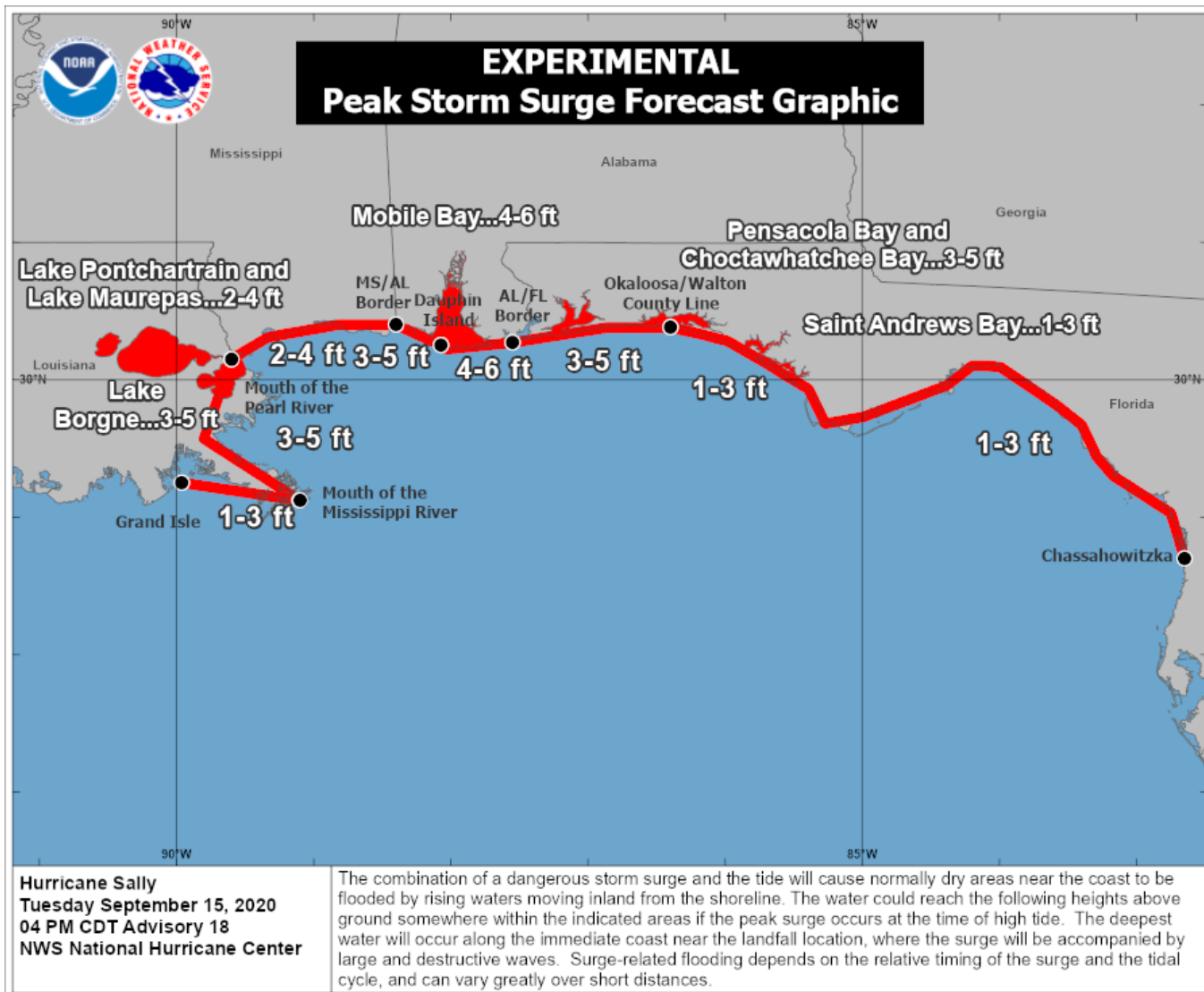## Advisory 18: 4:00 PM CDT Tue Sep 15, 2020

1. Historic life-threatening flash flooding due to rainfall is likely through Wednesday along and just inland of the coast from the Florida Panhandle west of the Apalachicola River to far southeastern Mississippi. Widespread moderate to major river flooding is forecast along and just inland of the central Gulf Coast. Significant flash and urban flooding, as well as widespread minor to moderate river flooding, is likely across inland portions of Mississippi and Alabama, and into Georgia and the western Carolinas this week.
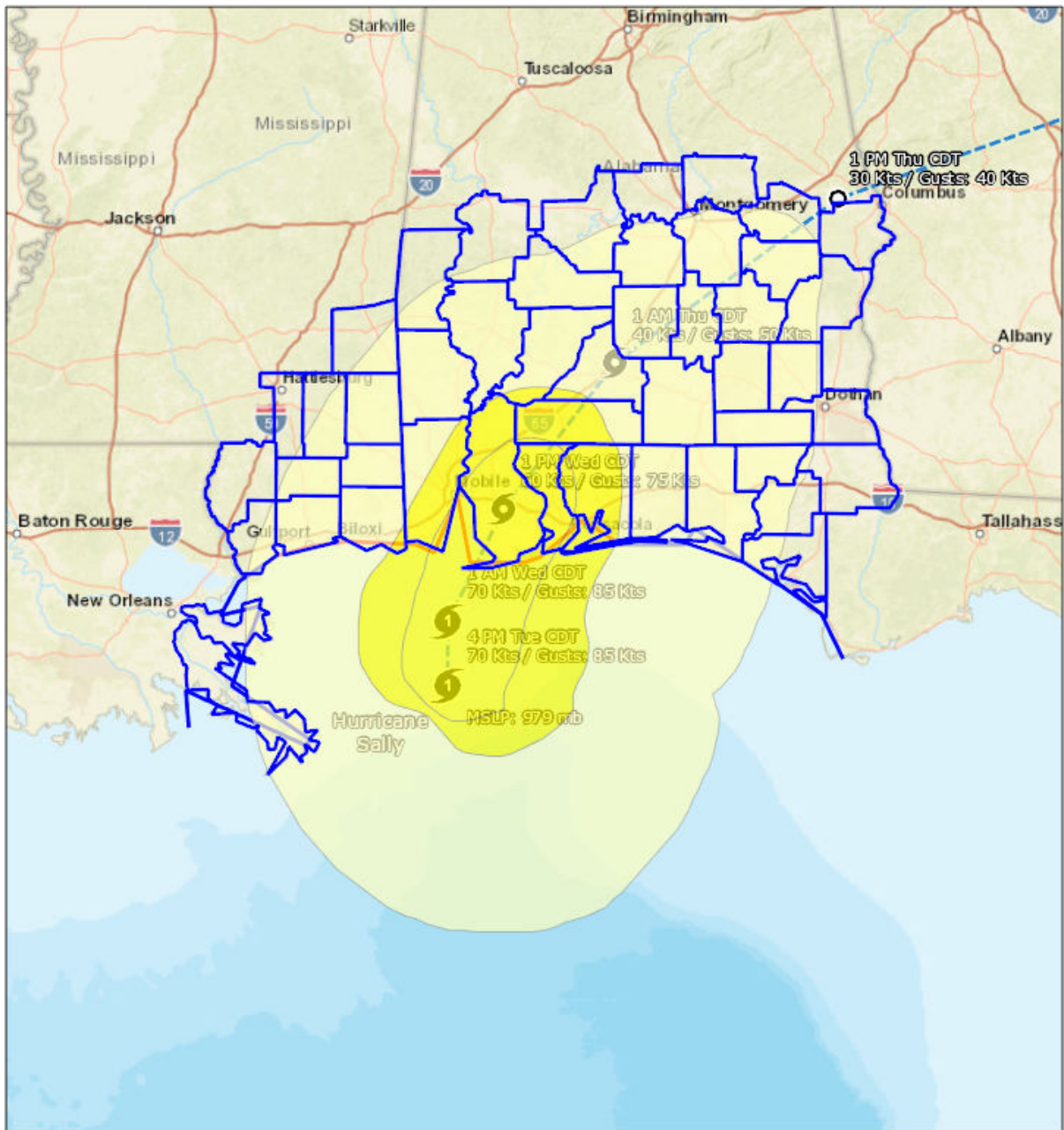
2. Life-threatening storm surge is expected along portions of the coastline from Alabama to the western Florida Panhandle, including Mobile Bay.

3. Hurricane conditions are expected this evening and overnight within portions of the Hurricane Warning area along the Mississippi and Alabama coastlines and the western Florida Panhandle.
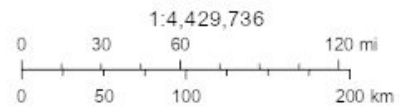
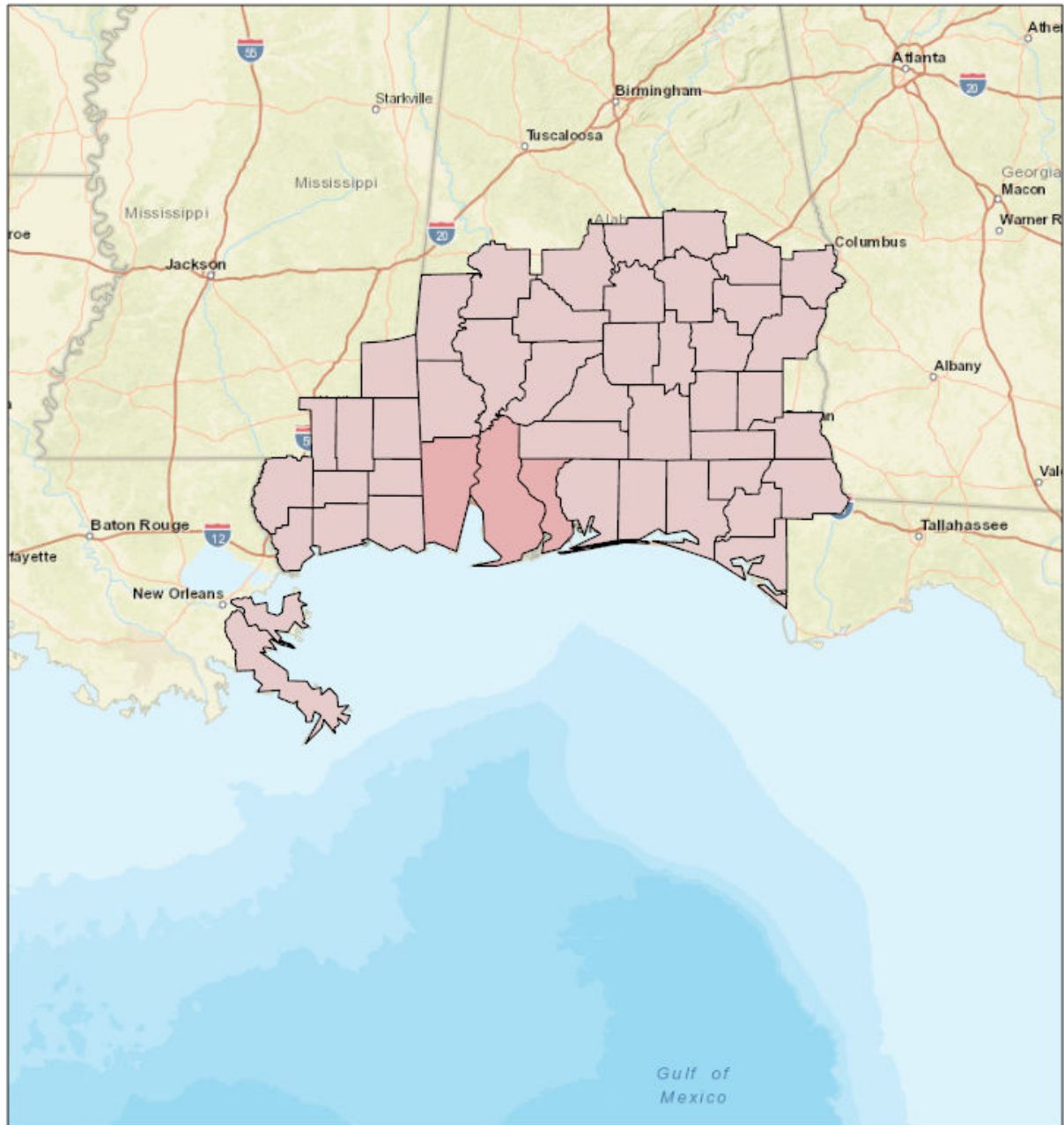**For more information go to hurricanes.gov**

EXPERIMENTAL
Peak Storm Surge Forecast Graphic

Mississippi

Alabama

Georgia

Mobile Bay...4-6 ft

Pensacola Bay and
Choctawhatchee Bay...3-5 ft

Lake Pontchartrain and
Lake Maurepas...2-4 ft

MS/AL
Border   Dauphin
Island

AL/FL
Border

Okaloosa/Walton
County Line

Saint Andrews Bay...1-3 ft

Louisiana

30°N

Lake
Borgne...3-5 ft

Mouth of the
Pearl River

2-4 ft   3-5 ft

4-6 ft   3-5 ft

1-3 ft

Florida

30°N

3-5 ft

1-3 ft

Grand Isle

1-3 ft

Mouth of the
Mississippi River

Chassahowitzka

90°W

85°W

Hurricane Sally
Tuesday September 15, 2020
04 PM CDT Advisory 18
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.

Debris

Debris

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

1:5,135,926

| 0 | 37.5 | 75 | 150 mi |
| 0 | 60 | 120 | 240 km |
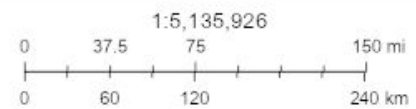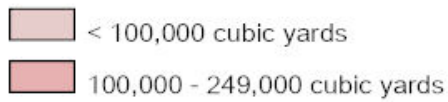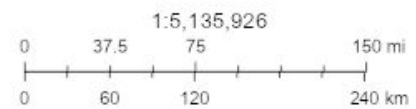
Temporary Roofing

Debris

< 2,000 units

1:5,135,926

| 0 | 37.5 | 75 | | 150 mi |
| 0 | 60 | 120 | | 240 km |

Population

1:5,135,926

| 0 | 37.5 | 75 | | 150 mi |

| 0 | 60 | 120 | | 240 km |

Debris

☐ < 25,000 persons

☐ 25,000 - 99,000 persons

☐ 100,000 - 174,999 persons

☐ 175,000 - 249,000 persons
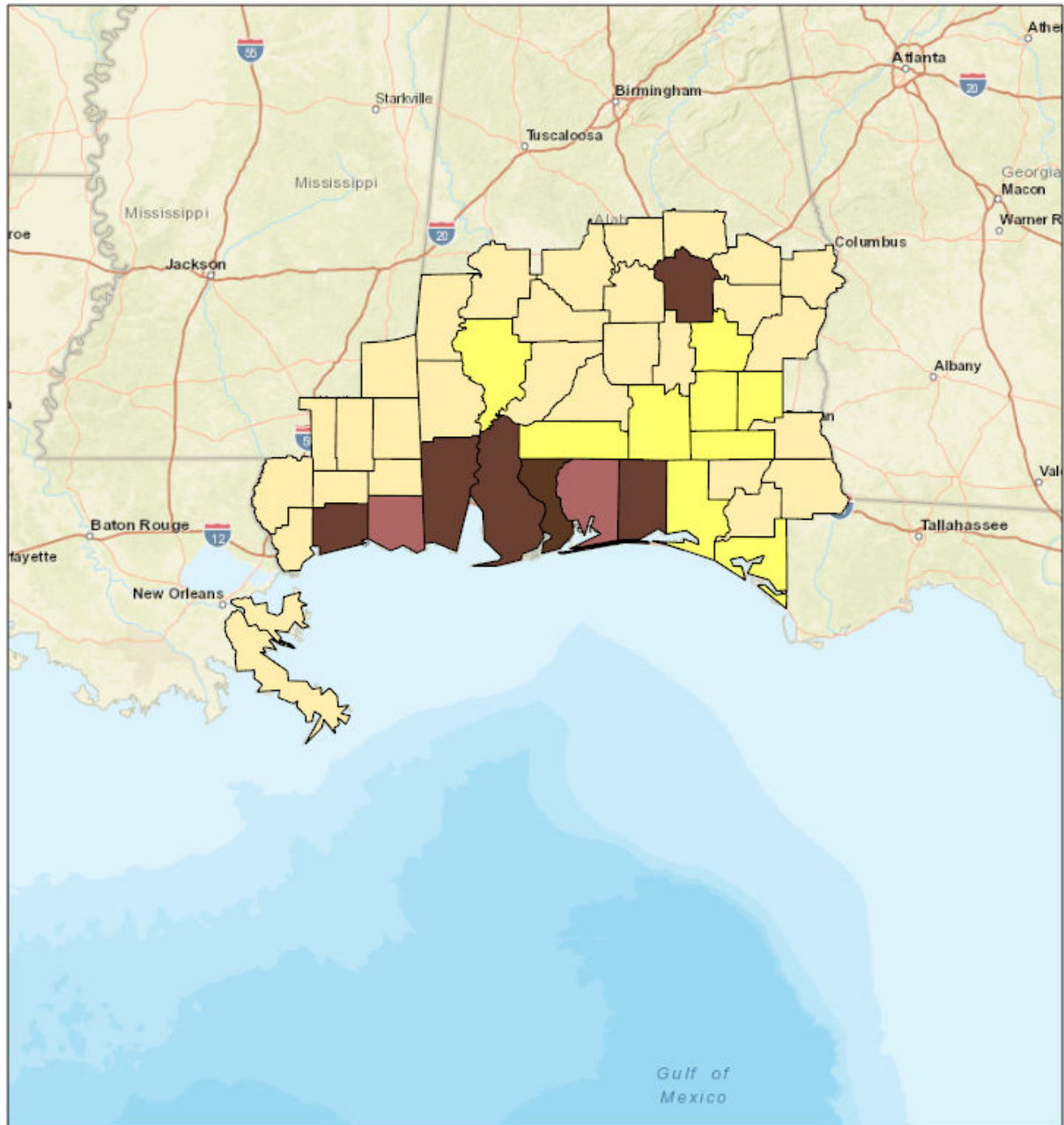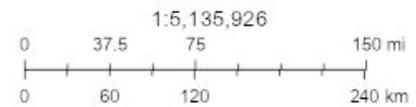
Created by SimSuite

Households
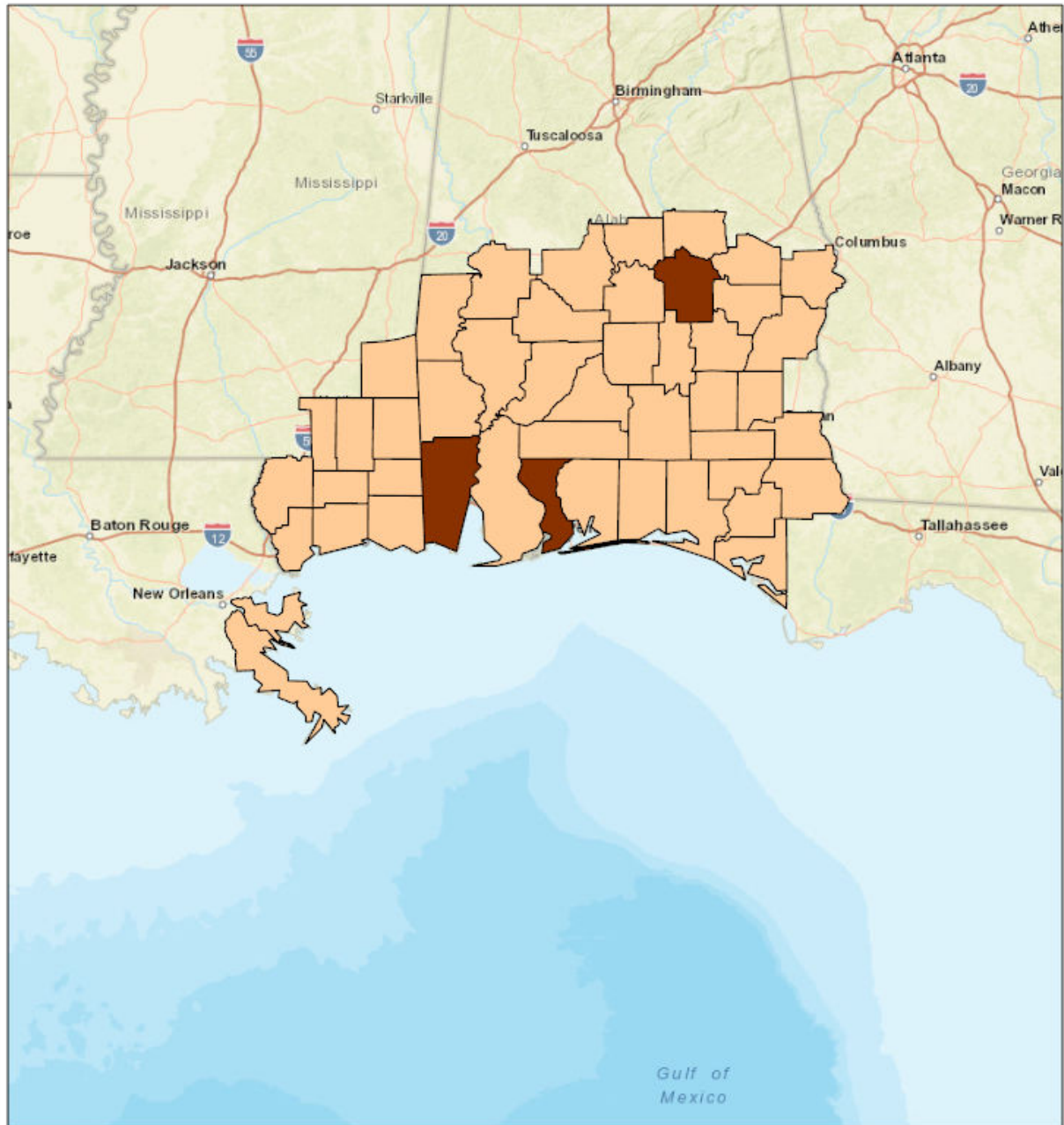
Debris
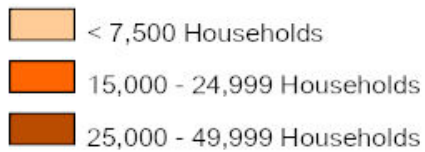
- ⬜ < 7,500 Households
- 🟧 15,000 - 24,999 Households
- 🟫 25,000 - 49,999 Households

1:5,135,926

| 0 | 37.5 | 75 | 150 mi |
| 0 | 60 | 120 | 240 km |

Created by SimSuite

COVID-19

#	County	Cases
1	Mobile	12,559
2	Escambia	11,891
3	Montgomery	8,188
4	St. Tammany	6,670
5	Bay	5,693
6	Santa Rosa	5,139
7	Baldwin	4,800
8	Okaloosa	4,637
9	Harrison	3,625
10	Jackson	3,297
11	Jackson	2,618
12	Forrest	2,281
13	Elmore	2,223
14	Houston	2,016
15	Walton	1,830
16	Russell	1,578
17	Dallas	1,475
18	Autauga	1,447
19	St. Bernard	1,335
20	Escambia	1,302
21	Dale	1,094
22	Washington	1,047
23	Coffee	1,047
24	Clarke	936
25	Pike	883
26	Butler	867
27	Wayne	863
28	Covington	845
29	Pearl River	823
30	George	729
31	Holmes	707
32	Plaquemines	663
33	Marengo	662
34	Barbour	626
35	Lowndes	606
36	Bullock	558
37	Hancock	540
38	Washington	509
39	Wilcox	480

40	Monroe	445
41	Conecuh	444
42	Geneva	424
43	Crenshaw	421
44	Macon	421
45	Perry	374
46	Stone	343
47	Choctaw	331
48	Greene	326

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	47
Debris (cu. yd.)	702,201
Temporary Roofing (units)	2,453
Population	2,313,655.538
Households	828,259.604

Population Distribution	
Tropical Storm	1,407,201
Category 1	776,332

ALABAMA	Yards of Debris (408,173)	Roof Units (1,254)	Population (1,099,760)	Households (404,233)
Autauga	0	0	505	156
Baldwin	142,998	439	184,916	54,893
Barbour	0	0	11,721	4,242
Bullock	0	0	10,926	3,986
Butler	0	0	20,159	8,398
Choctaw	0	0	4,645	2,064
Clarke	113	0	26,560	10,578
Coffee	0	0	48,378	17,421
Conecuh	1,217	4	13,275	5,796
Covington	0	0	36,768	15,640
Crenshaw	0	0	13,812	5,577
Dale	0	0	48,162	18,878
Dallas	0	0	14,127	5,883
Elmore	0	0	1,890	531
Escambia	26,058	80	26,259	10,003
Geneva	0	0	26,158	10,477
Houston	0	0	14,056	4,992
Lowndes	0	0	12,852	4,909
Macon	0	0	22,463	8,950
Marengo	0	0	3,970	1,635
Mobile	235,333	723	246,773	90,339
Monroe	2,431	7	23,425	9,383
Montgomery	0	0	227,425	86,068
Pike	0	0	30,173	11,933
Russell	0	0	50	19
Washington	24	0	17,370	6,705
Wilcox	0	0	12,943	4,776

FLORIDA	Yards of Debris (285,991)	Roof Units (1,174)	Population (783,584)	Households (263,099)
Bay	0	0	51,014	17,863
Escambia	192,855	888	314,018	111,049
Holmes	0	0	19,332	6,921
Jackson	0	0	2,364	766
Okaloosa	0	0	191,856	66,269
Santa Rosa	93,135	286	122,203	35,752
Walton	0	0	57,960	16,548
Washington	0	0	24,837	7,931

LOUISIANA	Yards of Debris (0)	Roof Units (0)	Population (21,252)	Households (11,229)
Plaquemines	0	0	9,509	3,417
St. Bernard	0	0	11,744	7,813

MISSISSIPPI	Yards of Debris (8,037)	Roof Units (25)	Population (409,059)	Households (149,698)
Forrest	0	0	2,791	936
George	0	0	22,068	6,742
Greene	0	0	13,959	4,148
Hancock	0	0	16,578	6,918
Harrison	0	0	183,018	71,538
Jackson	8,037	25	135,395	47,676
Pearl River	0	0	57	17
Perry	0	0	12,241	4,420
Stone	0	0	16,210	4,747
Wayne	0	0	6,743	2,556

Critical Infrastructure

Summary	
Total Critical Facilities	1,728
Power Requirements (kW)	61,179.4

Range (kW)	

Communications	# FED Gen Req	Range (kW)	Req kW
AM Antennas (29)	1.5	35 - 75	79.8
Cellular Towers (100)	60.0	35 - 75	3,300.0
FM Antennas (51)	2.6	35 - 75	140.3

Education	# FED Gen Req	Range (kW)	Req kW
Private Schools (91)	0.0	200 - 300	0.0
Public Schools (295)	88.5	200 - 300	22,125.0
Colleges and Universities (21)	0.4	200 - 300	105.0

Emergency Services	# FED Gen Req	Range (kW)	Req kW
911 Call Centers (2)	0.2	15 - 35	5.0
Emergency Medical Service (136)	13.6	15 - 35	340.0
Fire Stations (185)	18.5	15 - 35	462.5
Service Providers (3)	0.0	0 - 0	0.0

Healthcare	# FED Gen Req	Range (kW)	Req kW
Nursing Homes (119)	17.8	35 - 100	1,204.9
Hospitals (32)	9.6	800 - 2000	13,440.0
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 (11)	0.0	15 - 35	0.0
National Security Government Military Facilities (198)	0.0	15 - 35	0.0

Law Enforcement	# FED Gen Req	Range (kW)	Req kW
Prison Points (27)	5.4	400 - 600	2,700.0
Local Police (36)	3.6	15 - 35	90.0
State Police (7)	0.4	15 - 35	8.8
Correctional Facilities (0)	0.0	400 - 600	0.0

State and Local EOC	# FED Gen Req	Range (kW)	Req kW
Local Emergency Operations Centers (5)	1.0	15 - 40	27.5
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 (1)	0.1	100 - 200	15.0

Transportation	# FED Gen Req	Range (kW)	Req kW
Ports (207)	0.0	600 - 1200	0.0
Amtrak Stations (4)	0.0	100 - 300	0.0
Bus Stations (25)	0.0	100 - 300	0.0
Intermodal Terminal Facilities (11)	0.0	100 - 300	0.0
Railroad Stations (5)	0.0	100 - 300	0.0
Public-Use Airports (84)	10.1	40 - 100	705.6

Water	# FED Gen Req	Range (kW)	Req kW
Water Treatment Facilities (1)	0.4	800 - 2000	560.0
Wastewater Treatment Plants (27)	10.8	800 - 2000	15,120.0