Hurricane Sally Adv. #22

US Army Corps of Engineers
BUILDING STRONG®

WASHINGTON, DC	CHICAGO	LOS ANGELES
11:57:22	10:57:22	08:57:22
16 Sep 2020	16 Sep 2020	16 Sep 2020

https://go.usa.gov/xGNwK

Updated as of 16 Sep 2020 (11:57 AM Eastern Daylight Time)

Debris

308,942
cu. yd.

- Florida 87% (268,909)
- Alabama 13% (40,033)
- Mississippi <1% (0)

Temporary Roofing

1,362
units

- Florida 91% (1,239)
- Alabama 9% (123)
- Mississippi <1% (0)

Population

2,448,871
people

- Alabama 55% (1,336,847)
- Florida 39% (951,775)
- Mississippi 7% (160,250)

Households
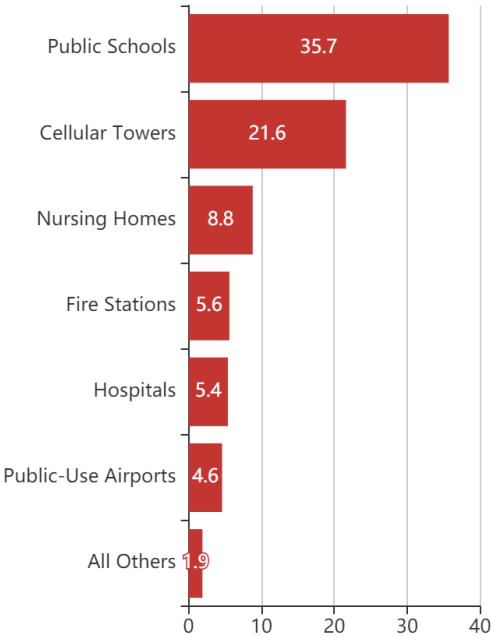
863,753
households

- Alabama 57% (488,663)
- Florida 37% (319,844)
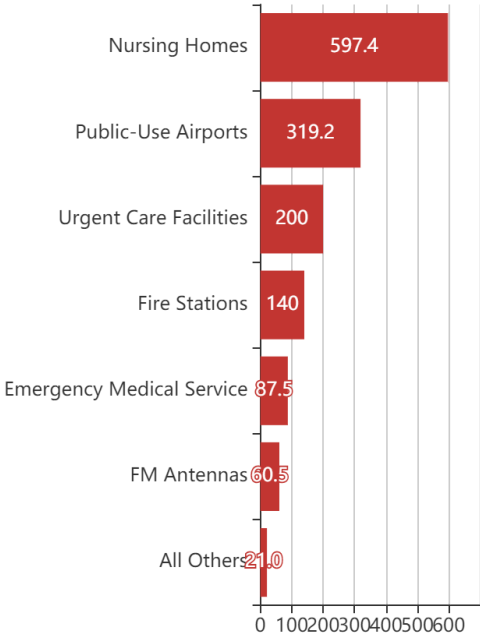- Mississippi 6% (55,246)
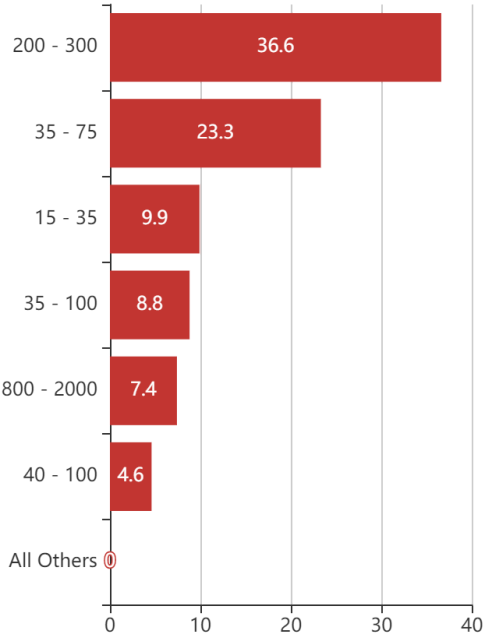
Critical Infrastructure Summary

Total

604
critical facilities

Power Requirements

23.5
MW

Generators
By Generator Count

Category	Value
Public Schools	35.7
Cellular Towers	21.6
Nursing Homes	8.8
Fire Stations	5.6
Hospitals	5.4
Public-Use Airports	4.6
All Others	1.9

Generators
By Power Requirement

Category	Value
Nursing Homes	597.4
Public-Use Airports	319.2
Urgent Care Facilities	200
Fire Stations	140
Emergency Medical Service	87.5
FM Antennas	60.5
All Others	21.0

Generators
By Range

Category	Value
200 - 300	36.6
35 - 75	23.3
15 - 35	9.9
35 - 100	8.8
800 - 2000	7.4
40 - 100	4.6
All Others	0

Structures
By County

County	Structures
Escambia, Florida	357
Santa Rosa, Florida	160
Escambia, Alabama	32
Baldwin, Alabama	30
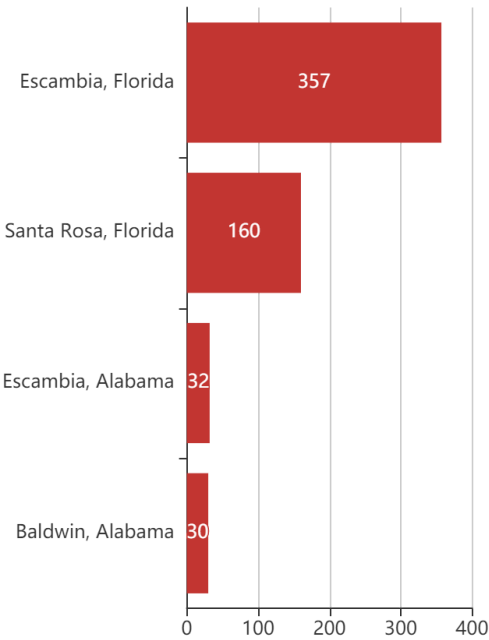
Structures
By Intensity

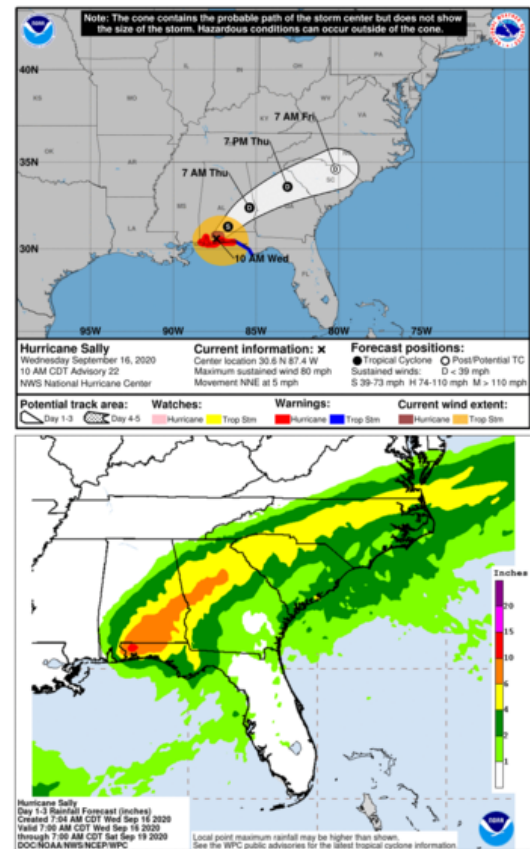| Intensity	Structures
Cat 1	604
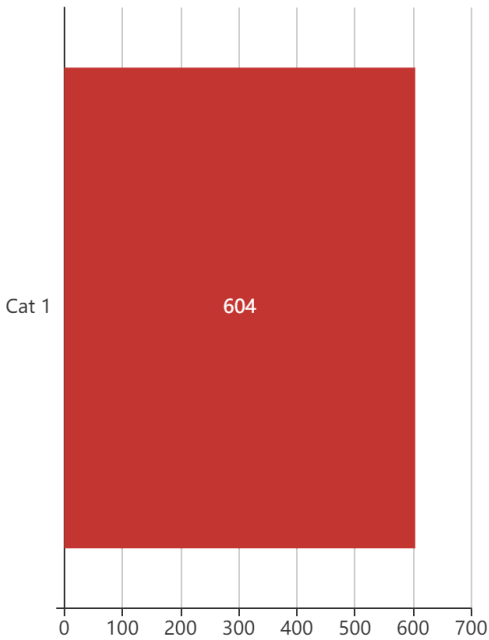
Key Messages for Hurricane Sally
Advisory 22: 10:00 AM CDT Wed Sep 16, 2020

1. Historic and catastrophic flooding, including widespread moderate to major river flooding, is unfolding along and just inland from west of Tallahassee, Florida, to Mobile Bay, Alabama. Significant and widespread flooding is likely across inland portions of Alabama into central Georgia, and possible across western South Carolina, western and central North Carolina, and far southeast Virginia.

2. Life-threatening storm surge is occurring along portions of the coastline from Alabama to the western Florida Panhandle, including Pensacola Bay.

3. Hurricane conditions are expected to continue this afternoon within portions of the Hurricane Warning area in southern Alabama and the western Florida panhandle.

For more information go to hurricanes.gov

EXPERIMENTAL
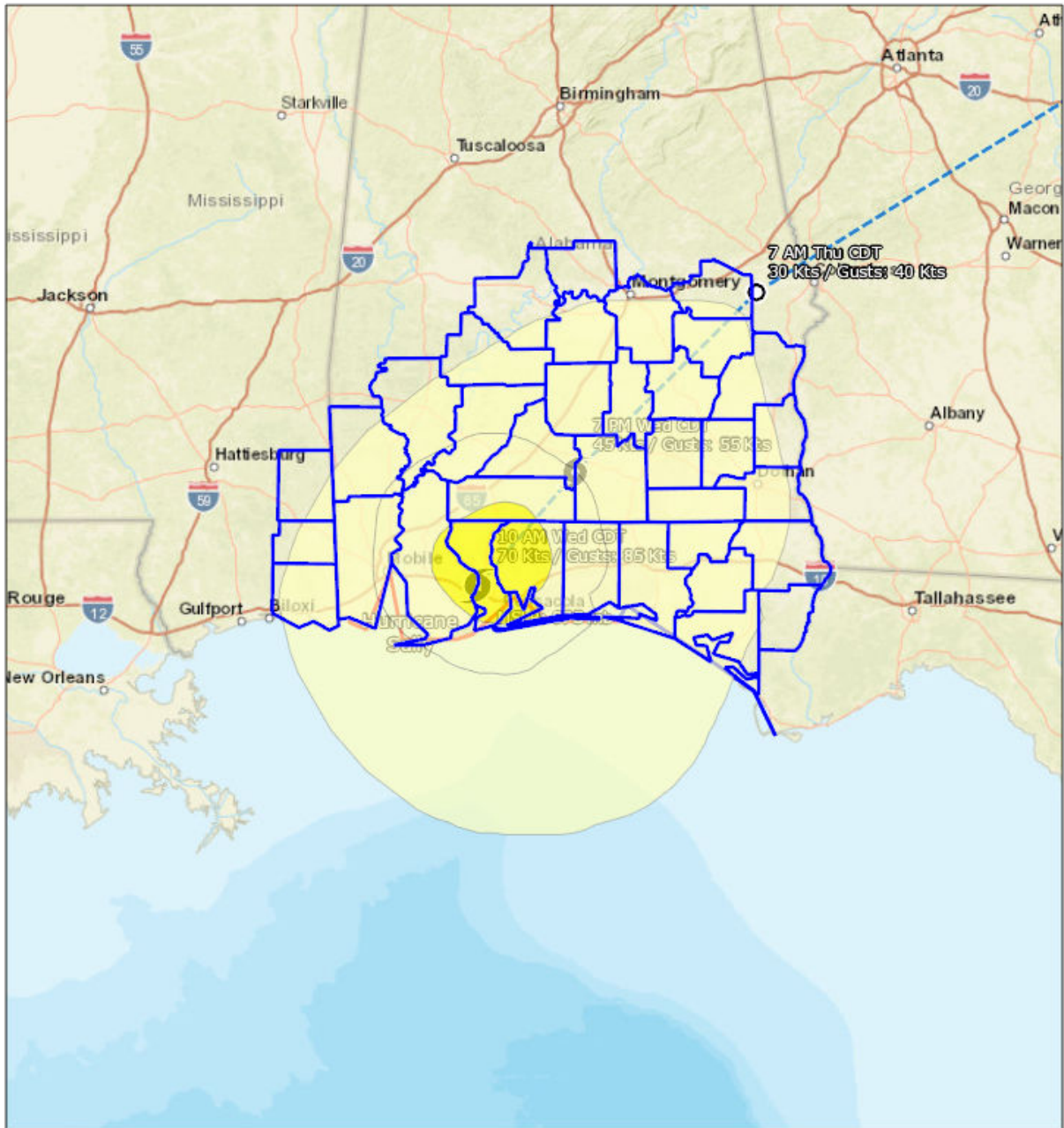## Peak Storm Surge Forecast Graphic

Alabama

Georgia

Pensacola Bay and Choctawhatchee Bay...4-7 ft

AL/FL Border

Okaloosa/Walton County Line

Walton/Bay County Line

Saint Andrew Bay...1-3 ft

Florida

Dauphin Island

2-4 ft

4-7 ft

2-4 ft

1-3 ft
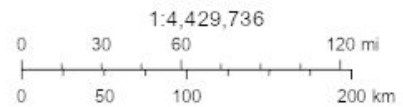
1-3 ft

30°N

30°N

Chassahowitzka

85°W

85°W

Hurricane Sally
Wednesday September 16, 2020
10 AM CDT Advisory 22
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

120-hr Forecast Track Line

1:4,429,736

0   30   60   120 mi

0   50   100   200 km

7 AM Thu CDT
30 Kts / Gusts: 40 Kts

7 PM Wed CDT
45 Kts / Gusts: 55 Kts

10 AM Wed CDT
70 Kts / Gusts: 85 Kts

Hurricane
Sally
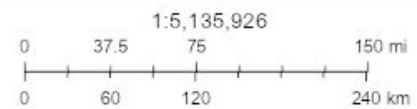
Debris

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 |
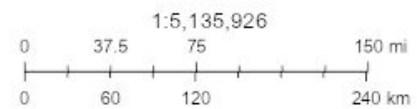
Created by SimSuite

Temporary Roofing

Debris

    < 2,000 units

1:5,135,926

| 0 | 37.5 | 75 | 150 mi |

| 0 | 60 | 120 | 240 km |

Created by SimSuite

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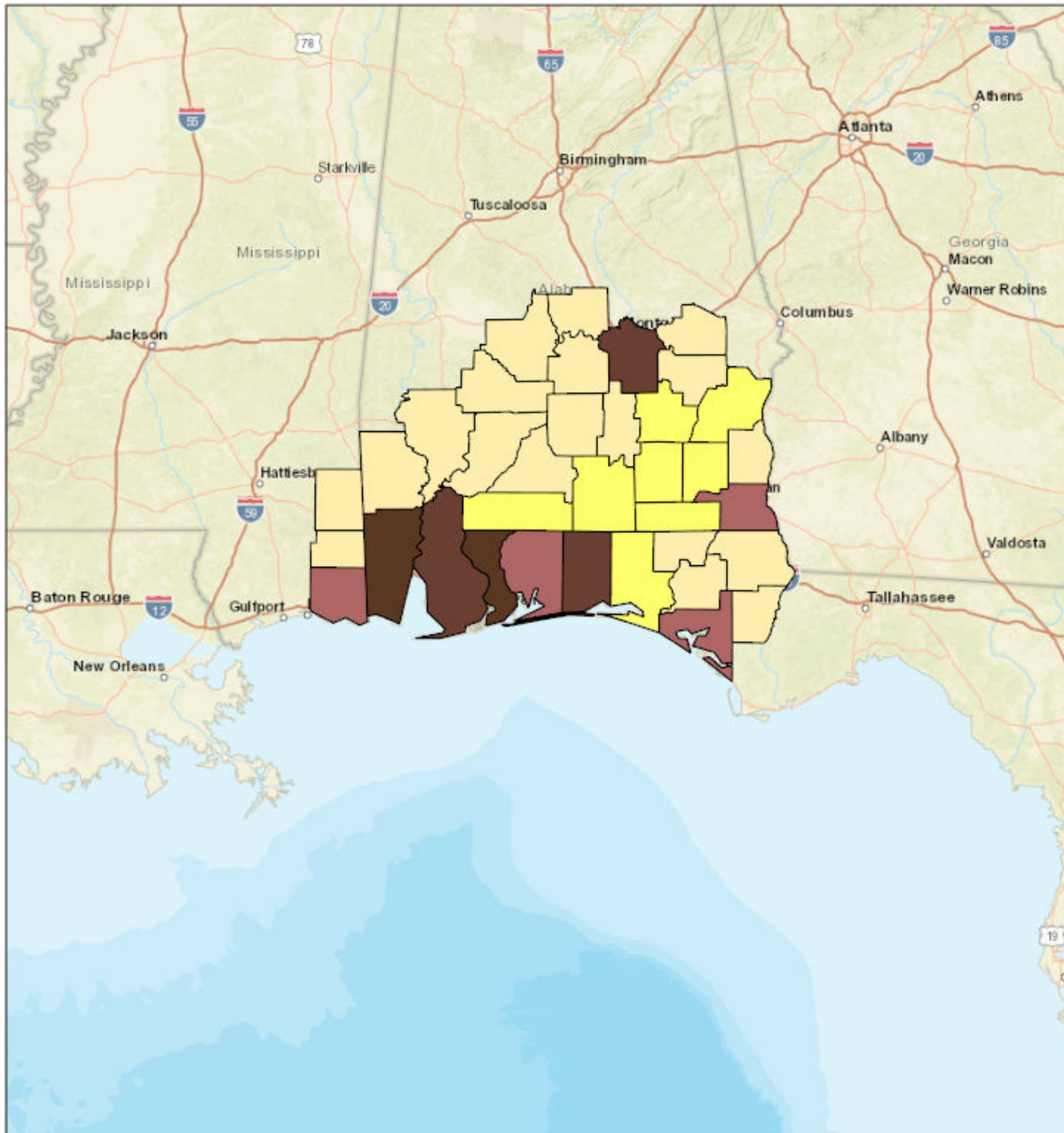
Debris
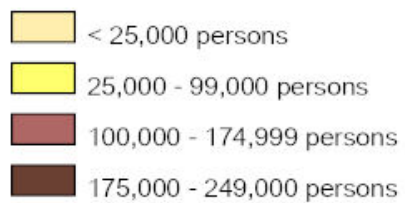
- ▢ < 25,000 persons
- ▢ 25,000 - 99,000 persons
- ▢ 100,000 - 174,999 persons
- ▢ 175,000 - 249,000 persons

1:5,135,926

| 0 | 37.5 | 75 | 150 mi |

| 0 | 60 | 120 | 240 km |

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 |
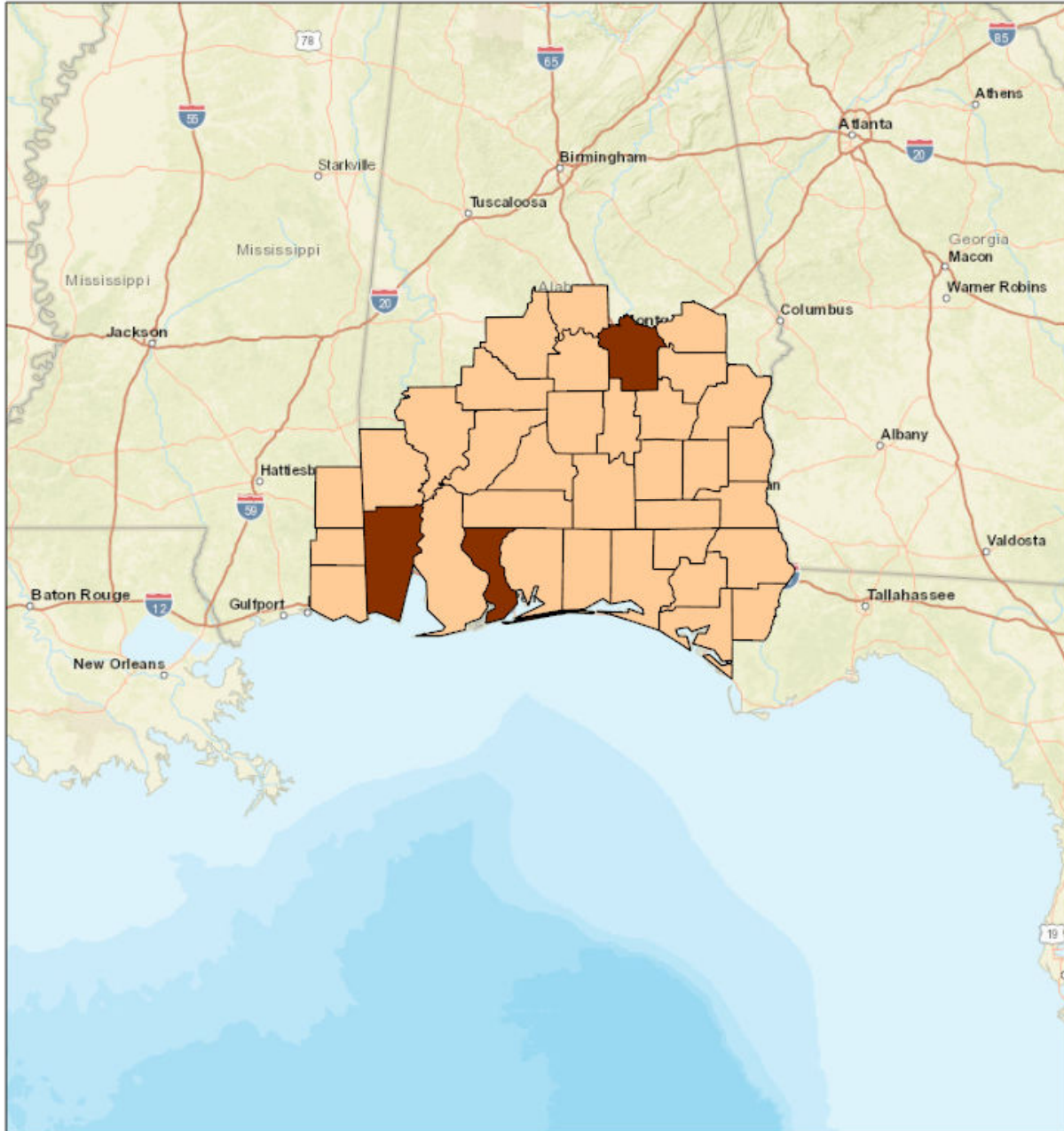
COVID-19

#	County	Cases
1	Mobile	12,559
2	Escambia	11,891
3	Montgomery	8,188
4	Bay	5,693
5	Santa Rosa	5,139
6	Baldwin	4,800
7	Okaloosa	4,637
8	Jackson	3,297
9	Jackson	2,618
10	Houston	2,016
11	Walton	1,830
12	Dallas	1,475
13	Autauga	1,447
14	Escambia	1,302
15	Dale	1,094
16	Washington	1,047
17	Coffee	1,047
18	Clarke	936
19	Pike	883
20	Butler	867
21	Covington	845
22	George	729
23	Holmes	707
24	Barbour	626
25	Lowndes	606
26	Calhoun	599
27	Bullock	558
28	Washington	509
29	Wilcox	480
30	Monroe	445
31	Conecuh	444
32	Geneva	424
33	Crenshaw	421
34	Macon	421
35	Henry	362
36	Greene	326

COVID-19

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	36
Debris (cu. yd.)	308,942
Temporary Roofing (units)	1,362
Population	2,448,871.184
Households	863,752.96

Population Distribution	
Tropical Storm	1,924,664
Category 1	513,254

ALABAMA	Yards of Debris (40,033)	Roof Units (123)	Population (1,336,847)	Households (488,663)
Autauga	0	0	1	0
Baldwin	33,242	102	185,188	54,974
Barbour	0	0	28,759	10,409
Bullock	0	0	10,926	3,986
Butler	0	0	20,159	8,398
Clarke	0	0	17,298	6,889
Coffee	0	0	48,378	17,421
Conecuh	0	0	13,266	5,792
Covington	0	0	36,770	15,641
Crenshaw	0	0	13,812	5,577
Dale	0	0	48,162	18,878
Dallas	0	0	7,470	3,111
Escambia	6,791	21	37,538	14,300
Geneva	0	0	26,158	10,477
Henry	0	0	7,374	2,851
Houston	0	0	100,902	35,834
Lowndes	0	0	12,852	4,909
Macon	0	0	5,665	2,257
Mobile	0	0	410,238	150,181
Monroe	0	0	23,425	9,383
Montgomery	0	0	227,425	86,068
Pike	0	0	30,173	11,933
Washington	0	0	11,962	4,618
Wilcox	0	0	12,943	4,776

FLORIDA	Yards of Debris (268,909)	Roof Units (1,239)	Population (951,775)	Households (319,844)
Bay	0	0	170,196	59,597
Calhoun	0	0	273	87
Escambia	192,855	888	314,018	111,049
Holmes	0	0	19,332	6,921
Jackson	0	0	23,617	7,649
Okaloosa	0	0	191,856	66,269
Santa Rosa	76,054	350	149,686	43,793
Walton	0	0	57,960	16,548
Washington	0	0	24,837	7,931

MISSISSIPPI	Yards of Debris (0)	Roof Units (0)	Population (160,250)	Households (55,246)
George	0	0	22,068	6,742
Greene	0	0	2,787	828
Jackson	0	0	135,395	47,676

Critical Infrastructure

Summary	
Total Critical Facilities	604
Power Requirements (kW)	23,476.6

Range (kW)	

Communications	# FED Gen Req	Range (kW)	Req kW
AM Antennas (12)	0.6	35 - 75	33.0
Cellular Towers (36)	21.6	35 - 75	1,188.0
FM Antennas (22)	1.1	35 - 75	60.5

Education	# FED Gen Req	Range (kW)	Req kW
Private Schools (31)	0.0	200 - 300	0.0
Public Schools (119)	35.7	200 - 300	8,925.0
Colleges and Universities (7)	0.1	200 - 300	35.0

Emergency Services	# FED Gen Req	Range (kW)	Req kW
911 Call Centers (2)	0.2	15 - 35	5.0
Emergency Medical Service (35)	3.5	15 - 35	87.5
Fire Stations (56)	5.6	15 - 35	140.0
Service Providers (3)	0.0	0 - 0	0.0

Healthcare	# FED Gen Req	Range (kW)	Req kW
Nursing Homes (59)	8.8	35 - 100	597.4
Hospitals (18)	5.4	800 - 2000	7,560.0
Urgent Care Facilities (4)	0.8	200 - 300	200.0

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 (2)	0.0	15 - 35	0.0
National Security Government Military Facilities (94)	0.0	15 - 35	0.0

Law Enforcement	# FED Gen Req	Range (kW)	Req kW
Prison Points (15)	3.0	400 - 600	1,500.0
Local Police (4)	0.4	15 - 35	10.0
State Police (4)	0.2	15 - 35	5.0
Correctional Facilities (0)	0.0	400 - 600	0.0

State and Local EOC	# FED Gen Req	Range (kW)	Req kW
Local Emergency Operations Centers (2)	0.4	15 - 40	11.0
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 (22)	0.0	600 - 1200	0.0
Amtrak Stations (2)	0.0	100 - 300	0.0
Bus Stations (8)	0.0	100 - 300	0.0
Intermodal Terminal Facilities (2)	0.0	100 - 300	0.0
Railroad Stations (2)	0.0	100 - 300	0.0
Public-Use Airports (38)	4.6	40 - 100	319.2

Water	# FED Gen Req	Range (kW)	Req kW
Water Treatment Facilities (0)	0.0	800 - 2000	0.0
Wastewater Treatment Plants (5)	2.0	800 - 2000	2,800.0