



US Army Corps
of Engineers®
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Hurricane Sally Adv. #21

For Planning Purposes Only!

WASHINGTON, DC
08:12:03
16 Sep 2020

CHICAGO
07:12:03
16 Sep 2020

LOS ANGELES
05:12:03
16 Sep 2020

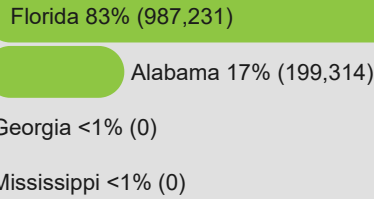
<https://go.usa.gov/xGNXH>

Updated as of 16 Sep 2020 (8:12 AM Eastern Daylight Time)



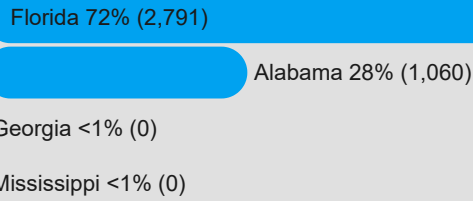
Debris

1,186,544
cu. yd.



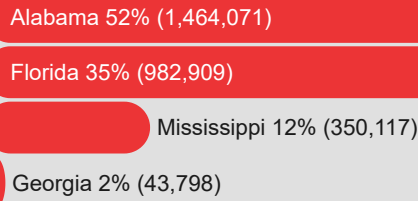
Temporary Roofing

3,851
units



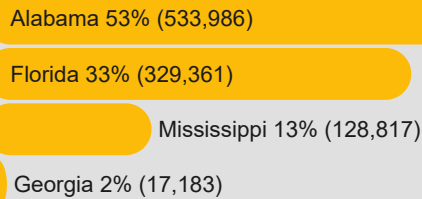
Population

2,840,895
people



Households

1,009,347
households



Critical Infrastructure Summary

Total

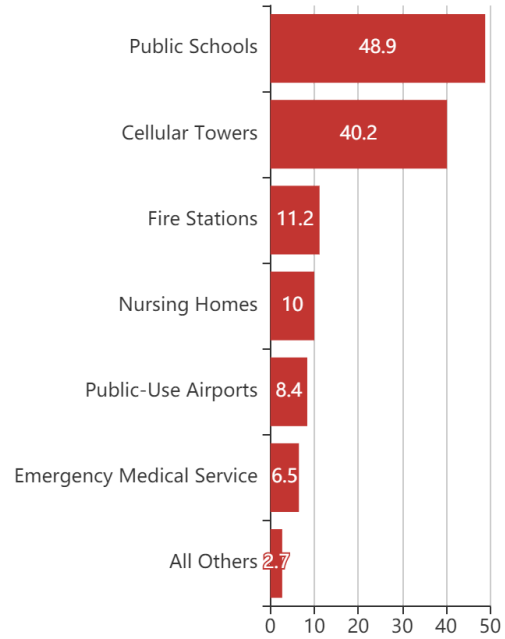


Power Requirements



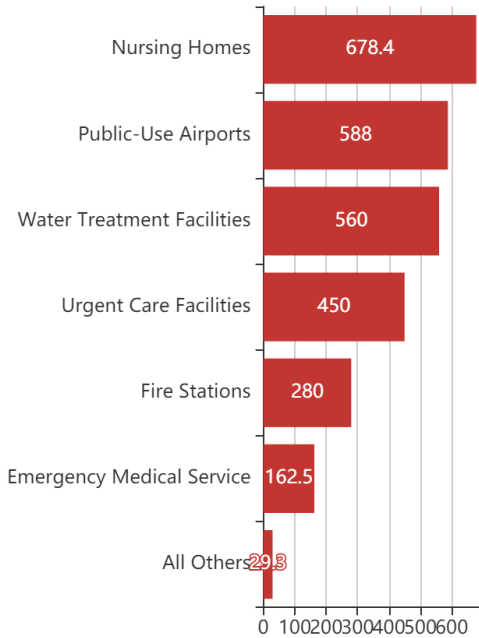
Generators

By Generator Count



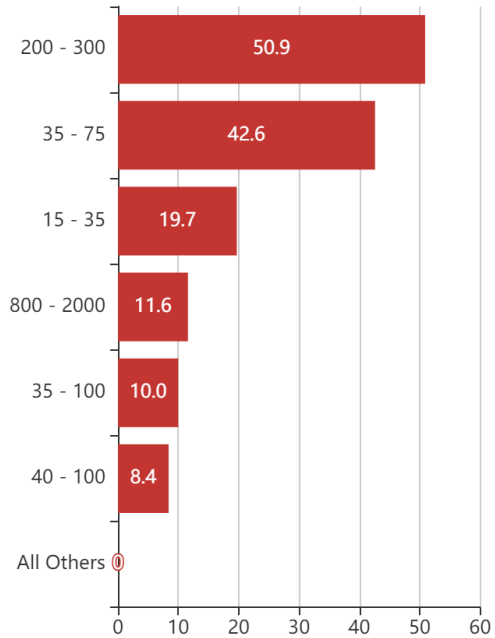
Generators

By Power Requirement



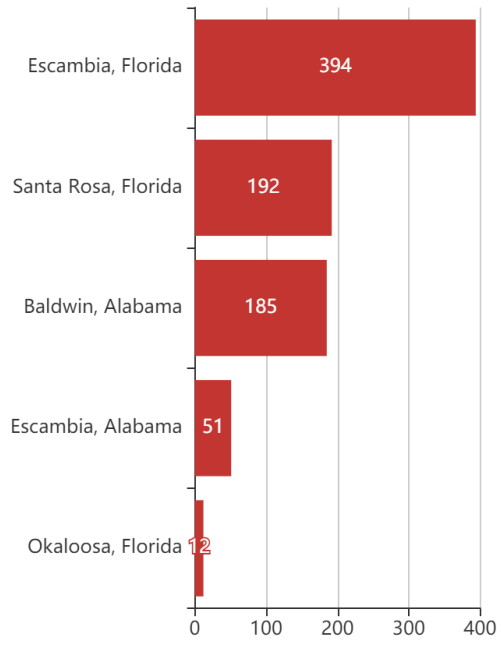
Generators

By Range



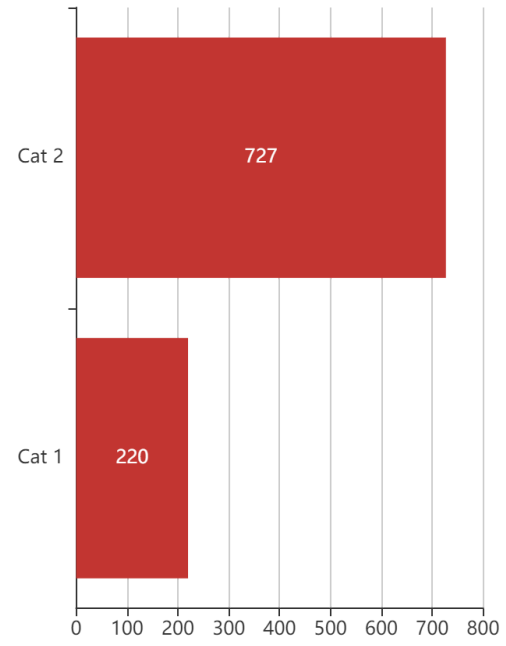
Structures

By County



Structures

By Intensity





Key Messages for Hurricane Sally

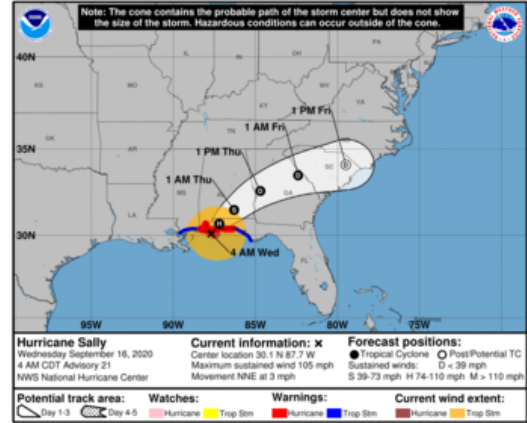
Advisory 21: 4:00 AM CDT Wed Sep 16, 2020



1. Historic and catastrophic flooding is unfolding along and just inland of the coast from west of Tallahassee, Florida, to Mobile Bay, Alabama. In addition, widespread moderate to major river flooding is forecast. Significant flash and urban flooding, as well as widespread minor to moderate river flooding, is likely across inland portions Alabama into central Georgia. Widespread flash and urban flooding is possible, as well as widespread minor to moderate river flooding, across western South Carolina into western and central North Carolina. Scattered flash and urban flooding is possible, as well as scattered minor river flooding in southeast Virginia.

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

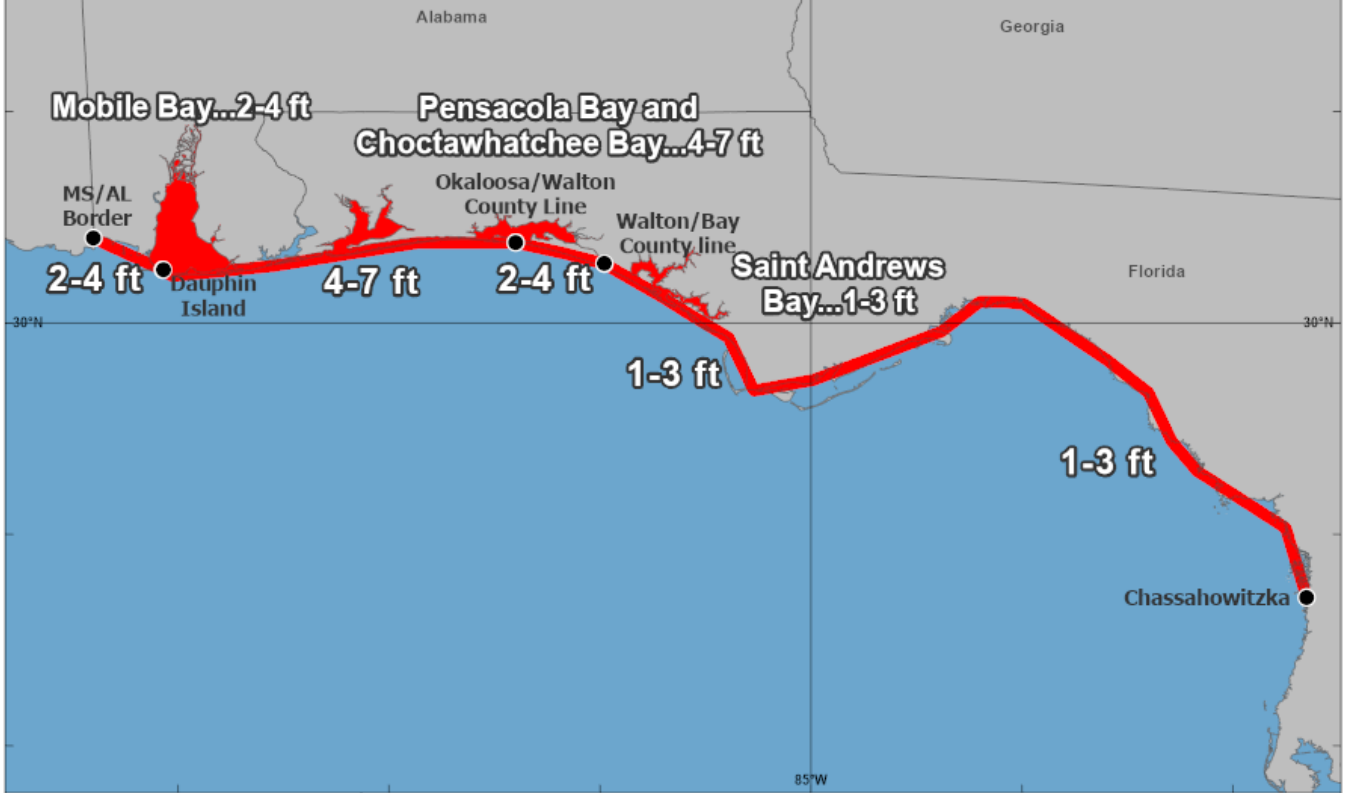
3. Hurricane conditions are expected this morning and then continue into this afternoon within portions of the Hurricane Warning area along the Mississippi and Alabama coastlines and the western Florida Panhandle.



For more information go to hurricanes.gov

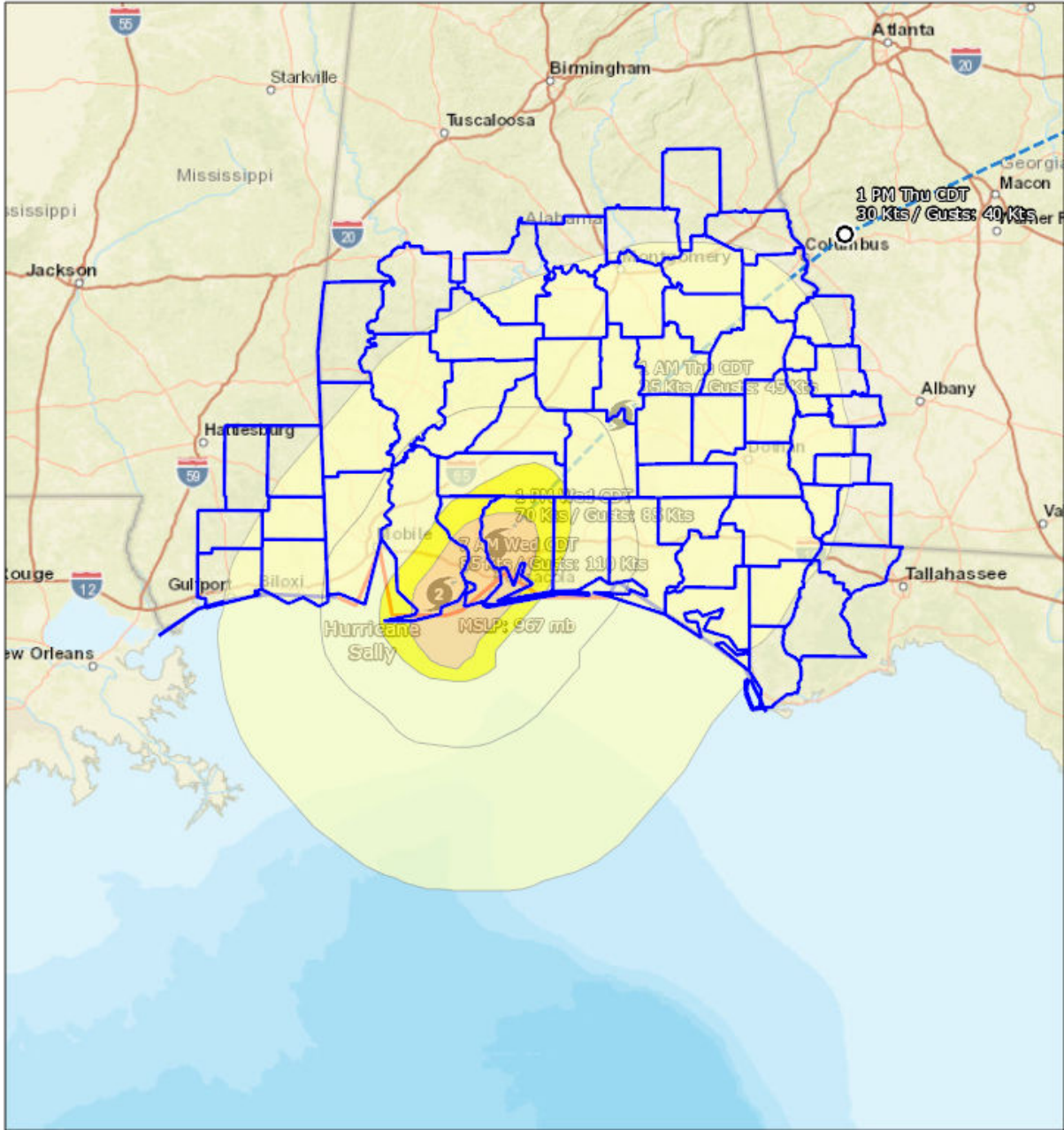


EXPERIMENTAL Peak Storm Surge Forecast Graphic

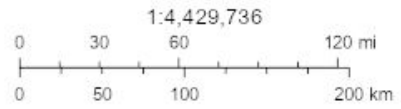


Hurricane Sally
Wednesday September 16, 2020
04 AM CDT Advisory 21
NWS National Hurricane Center

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.

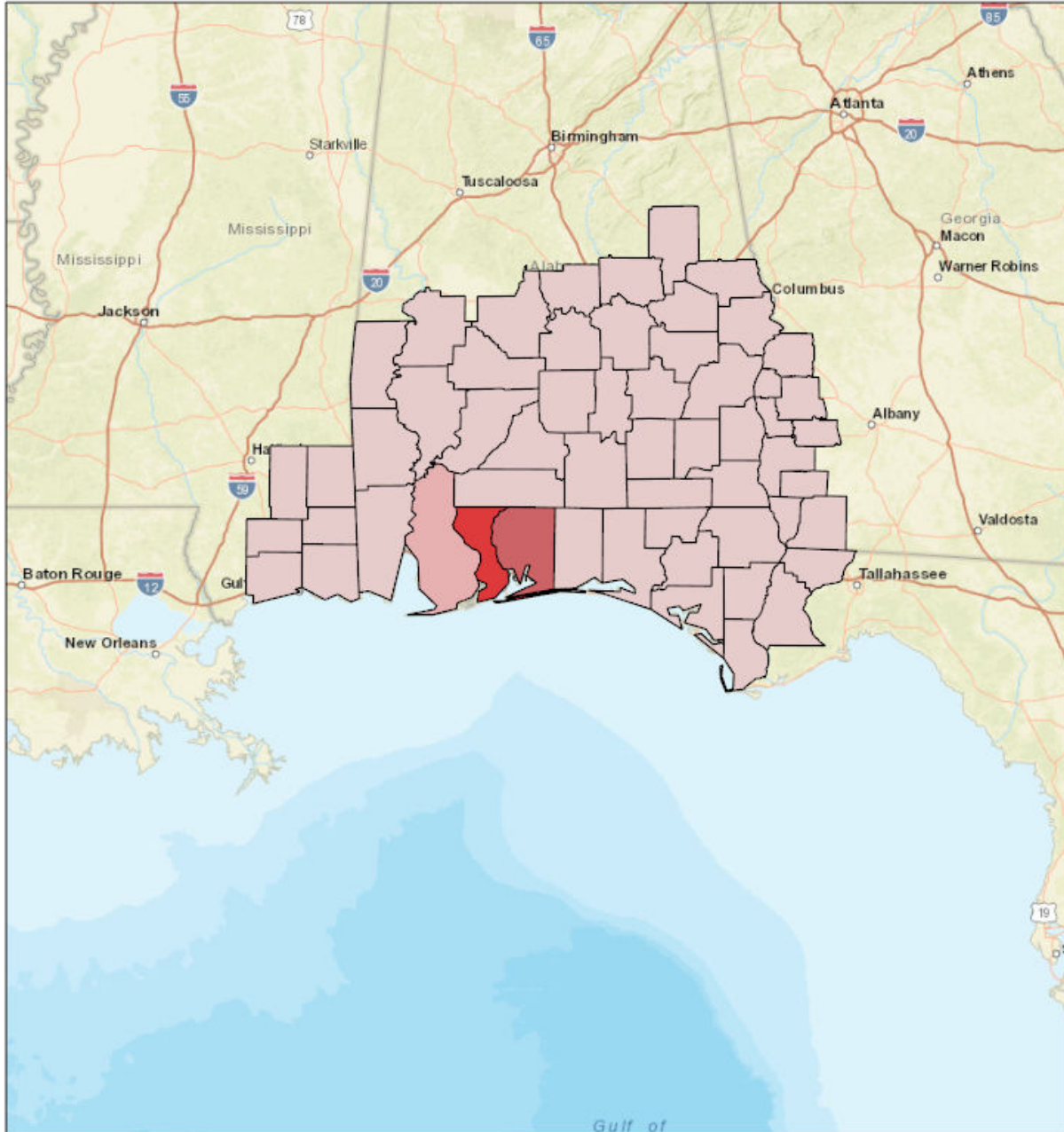


- Counties
- Mission Model Swaths
 - TS
 - Cat 1
 - Cat 2
- 120-hr Forecast Track Line

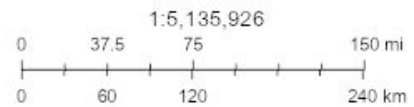
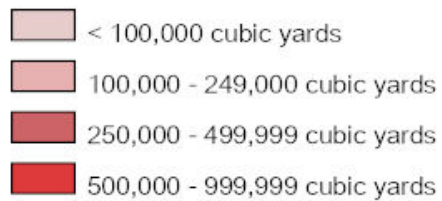


Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community, NOAA/NOS/OCs nowCOAST, NOAA/NWS/NHC, NOAA/NWS/CPHC

Debris



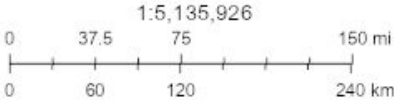
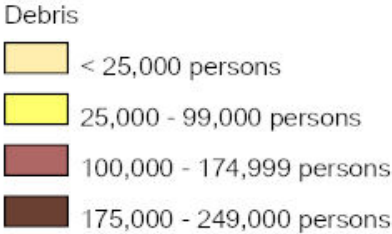
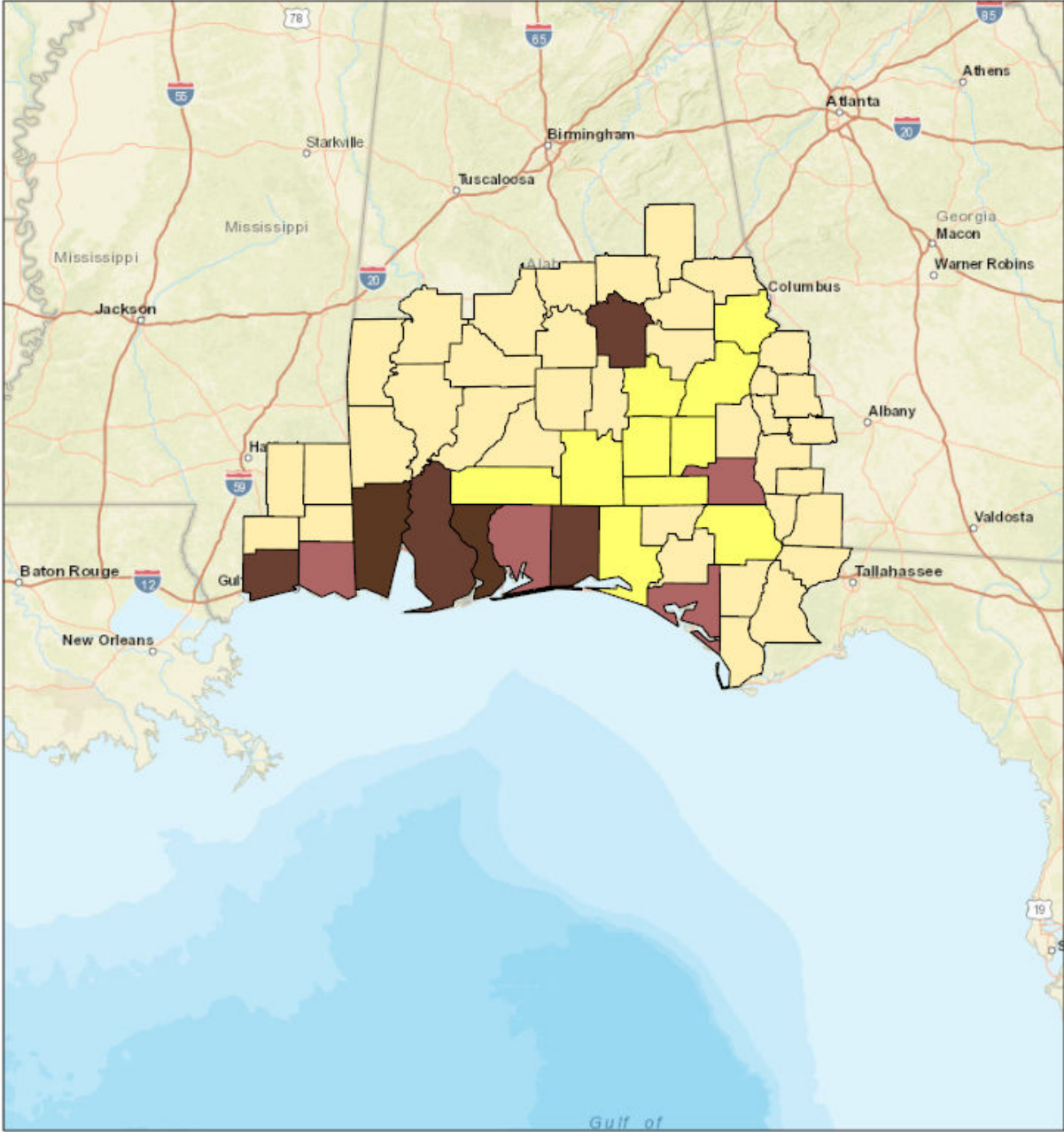
Debris



Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

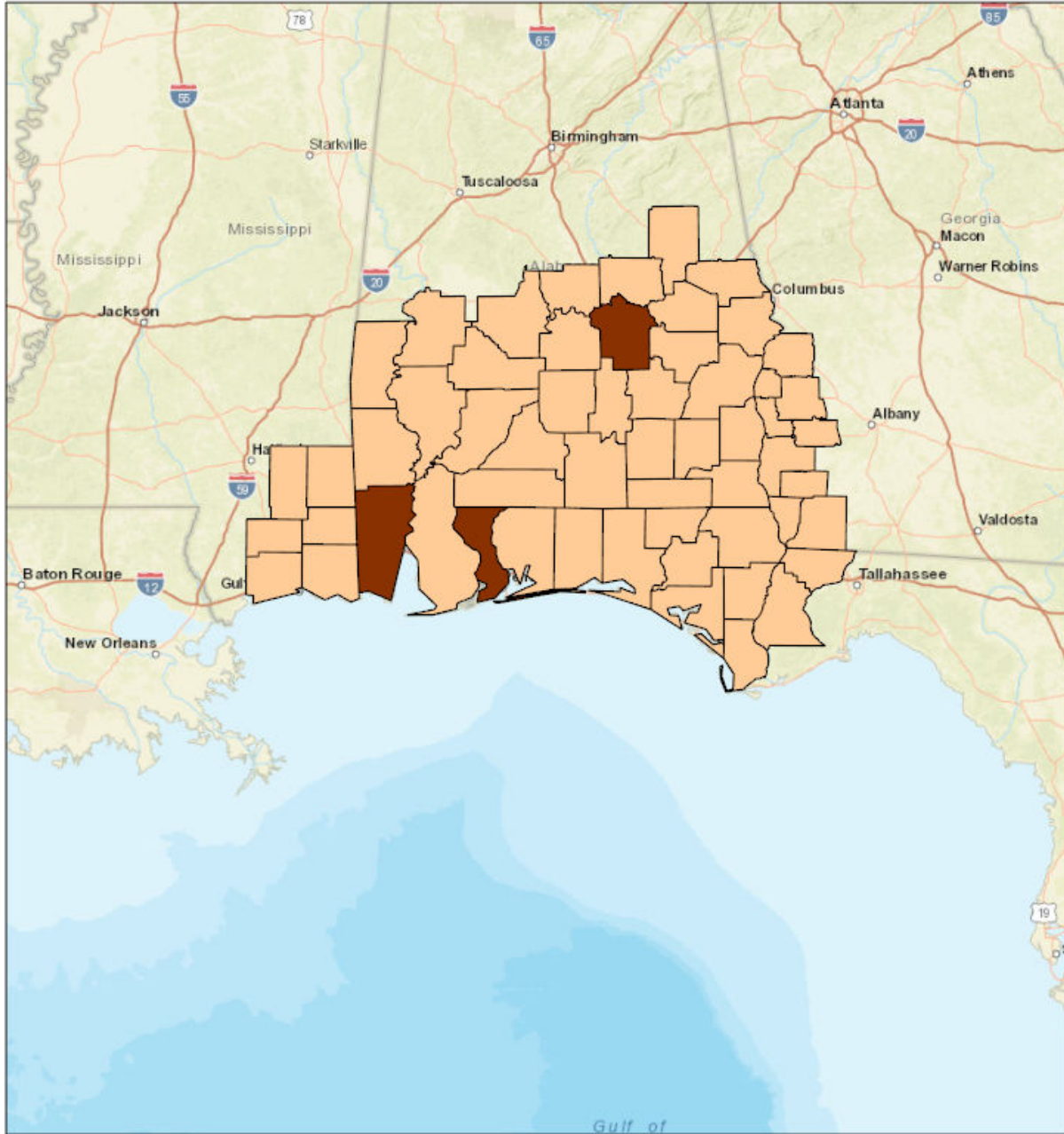
Created by SimSuite

Population



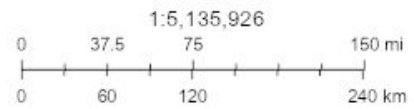
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Households



Debris

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



Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

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	Harrison	3,625
9	Lee	3,622
10	Jackson	3,297
11	Jackson	2,618
12	Gadsden	2,605
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	Decatur	1,066
23	Washington	1,047
24	Coffee	1,047
25	Tallapoosa	958
26	Clarke	936
27	Pike	883
28	Butler	867
29	Gulf	861
30	Covington	845
31	George	729
32	Holmes	707
33	Plaquemines	663
34	Marengo	662
35	Barbour	626
36	Lowndes	606
37	Calhoun	599
38	Bullock	558
39	Washington	509

40	Wilcox	480
41	Liberty	479
42	Early	447
43	Monroe	445
44	Conecuh	444
45	Geneva	424
46	Crenshaw	421
47	Macon	421
48	Stewart	411
49	Perry	374
50	Henry	362
51	Stone	343
52	Choctaw	331
53	Randolph	327
54	Greene	326
55	Seminole	325
56	Miller	234
57	Calhoun	227
58	Clay	118
59	Quitman	31

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	57
Debris (cu. yd.)	1,186,544
Temporary Roofing (units)	3,851
Population	2,840,894.575
Households	1,009,346.741

Population Distribution	
Tropical Storm	2,210,483
Category 1	295,299
Category 2	306,026

ALABAMA	Yards of Debris (199,314)	Roof Units (1,060)	Population (1,464,071)	Households (533,986)
Autauga	0	0	7,959	2,460
Baldwin	174,272	487	186,407	55,336
Barbour	0	0	28,759	10,409
Bullock	0	0	10,926	3,986
Butler	0	0	20,159	8,398
Choctaw	0	0	102	45
Clarke	0	0	22,880	9,112
Coffee	0	0	48,378	17,421
Conecuh	0	0	13,266	5,792
Covington	213	1	25,614	10,896
Crenshaw	0	0	13,812	5,577
Dale	0	0	48,162	18,878
Dallas	0	0	15,947	6,641
Elmore	0	0	22,238	6,253
Escambia	24,829	572	37,531	14,297
Geneva	0	0	26,158	10,477
Henry	0	0	16,876	6,525
Houston	0	0	100,902	35,834
Lee	0	0	11,154	3,712
Lowndes	0	0	12,852	4,909
Macon	0	0	22,463	8,950
Marengo	0	0	303	125
Mobile	0	0	410,234	150,179
Monroe	0	0	23,425	9,383
Montgomery	0	0	227,425	86,068
Pike	0	0	30,173	11,933
Russell	0	0	51,860	19,741
Tallapoosa	0	0	857	350
Washington	0	0	14,305	5,522
Wilcox	0	0	12,943	4,776

FLORIDA	Yards of Debris (987,231)	Roof Units (2,791)	Population (982,909)	Households (329,361)
Bay	0	0	170,196	59,597
Calhoun	0	0	14,061	4,468
Escambia	696,624	1,928	299,131	105,785
Gadsden	0	0	3,445	1,099
Gulf	0	0	2,216	668
Holmes	0	0	19,332	6,921
Jackson	0	0	51,316	16,620
Liberty	0	0	328	89
Okaloosa	35,200	135	191,851	66,267
Santa Rosa	255,407	728	148,232	43,367
Walton	0	0	57,964	16,549
Washington	0	0	24,837	7,931

GEORGIA	Yards of Debris (0)	Roof Units (0)	Population (43,798)	Households (17,183)
Calhoun	0	0	1,766	555
Clay	0	0	3,243	1,347
Decatur	0	0	3,711	1,297
Early	0	0	11,636	4,695
Miller	0	0	6,135	2,487
Quitman	0	0	2,682	1,047
Randolph	0	0	3,498	1,418
Seminole	0	0	9,329	3,573
Stewart	0	0	1,797	764

MISSISSIPPI	Yards of Debris (0)	Roof Units (0)	Population (350,117)	Households (128,817)
George	0	0	22,068	6,742
Greene	0	0	6,760	2,009
Harrison	0	0	183,018	71,538
Jackson	0	0	135,394	47,676
Perry	0	0	146	53
Stone	0	0	2,730	800

Critical Infrastructure

Summary			
Total Critical Facilities		947	
Power Requirements (kW)		34,887.7	
Range (kW)			
Communications	# FED Gen Req	Range (kW)	Req kW
AM Antennas (16)	0.8	35 - 75	44.0
Cellular Towers (67)	40.2	35 - 75	2,211.0
FM Antennas (32)	1.6	35 - 75	88.0
Education	# FED Gen Req	Range (kW)	Req kW
Private Schools (42)	0.0	200 - 300	0.0
Public Schools (163)	48.9	200 - 300	12,225.0
Colleges and Universities (10)	0.2	200 - 300	50.0
Emergency Services	# FED Gen Req	Range (kW)	Req kW
911 Call Centers (2)	0.2	15 - 35	5.0
Emergency Medical Service (65)	6.5	15 - 35	162.5
Fire Stations (112)	11.2	15 - 35	280.0
Service Providers (3)	0.0	0 - 0	0.0
Healthcare	# FED Gen Req	Range (kW)	Req kW
Nursing Homes (67)	10.0	35 - 100	678.4
Hospitals (20)	6.0	800 - 2000	8,400.0
Urgent Care Facilities (9)	1.8	200 - 300	450.0
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 (4)	0.0	15 - 35	0.0
National Security Government Military Facilities (166)	0.0	15 - 35	0.0
Law Enforcement	# FED Gen Req	Range (kW)	Req kW
Prison Points (18)	3.6	400 - 600	1,800.0
Local Police (15)	1.5	15 - 35	37.5
State Police (5)	0.3	15 - 35	6.3
Correctional Facilities (0)	0.0	400 - 600	0.0
State and Local EOC	# FED Gen Req	Range (kW)	Req kW
Local Emergency Operations Centers (4)	0.8	15 - 40	22.0
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 (1)	0.0	100 - 300	0.0
Bus Stations (16)	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 (70)	8.4	40 - 100	588.0

Water	# FED Gen Req	Range (kW)	Req kW
Water Treatment Facilities (1)	0.4	800 - 2000	560.0
Wastewater Treatment Plants (13)	5.2	800 - 2000	7,280.0