US Army Corps of Engineers
BUILDING STRONG

Hurricane Zeta Adv. #15

For Planning Purposes Only!

WASHINGTON, DC	CHICAGO	LOS ANGELES
08:57:21	07:57:21	05:57:21
28 Oct 2020	28 Oct 2020	28 Oct 2020

https://go.usa.gov/x7T68

Updated as of 28 Oct 2020 (7:57 AM Central Daylight Time)

Debris	4,562,101 cu. yd.	Louisiana 78% (3,539,701) Mississippi 19% (886,465) Alabama 3% (135,935) Florida <1% (0) Georgia <1% (0)
Temporary Roofing	5,083 units	Louisiana 74% (3,767) Mississippi 22% (1,107) Alabama 4% (209) Florida <1% (0) Georgia <1% (0)
Population	5,984,180 people	Alabama 43% (2,582,304) Louisiana 34% (2,049,669) Mississippi 16% (971,563) Florida 6% (368,365) Georgia <1% (12,280)
Households	2,195,204 households	Alabama 43% (943,002) Louisiana 35% (772,197) Mississippi 16% (348,802) Florida 6% (126,949) Georgia <1% (4,254)

Critical Infrastructure Summary

Total

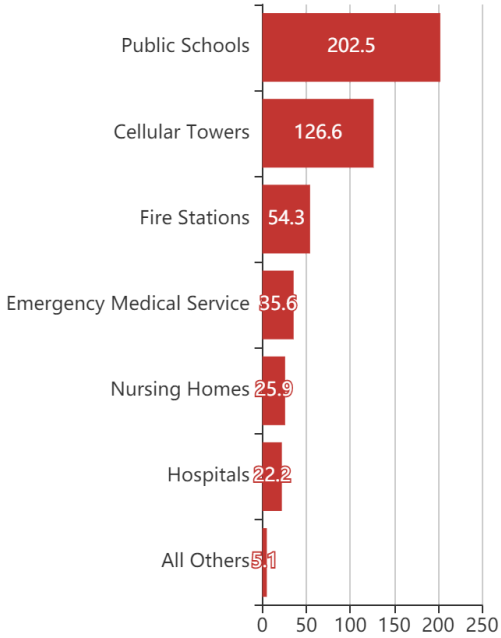
3.9K
critical facilities

Power Requirements

119.6
MW

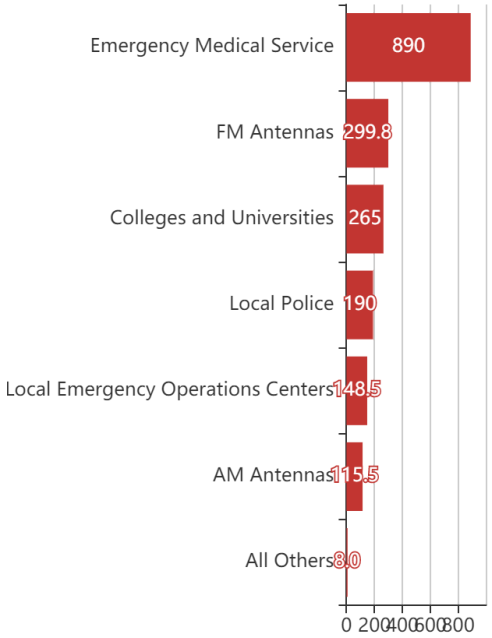
Generators

By Generator Count



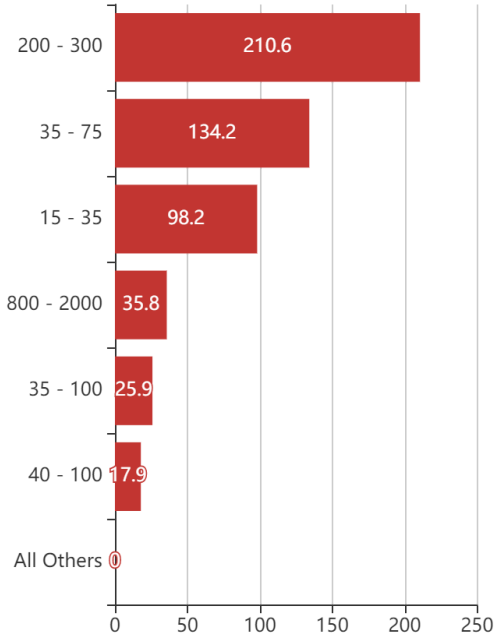
Generators

By Power Requirement



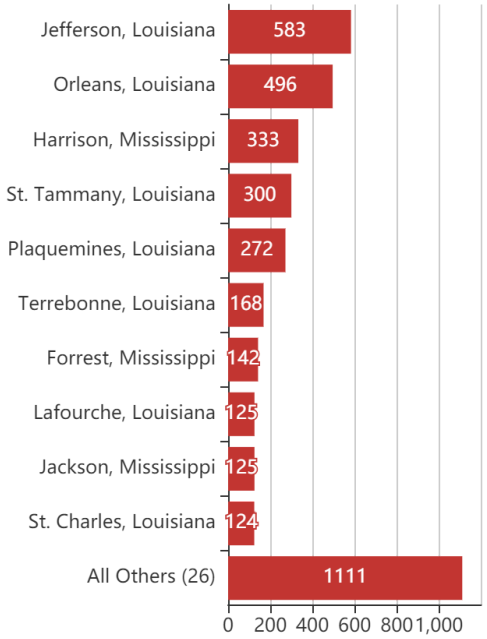
Generators

By Range



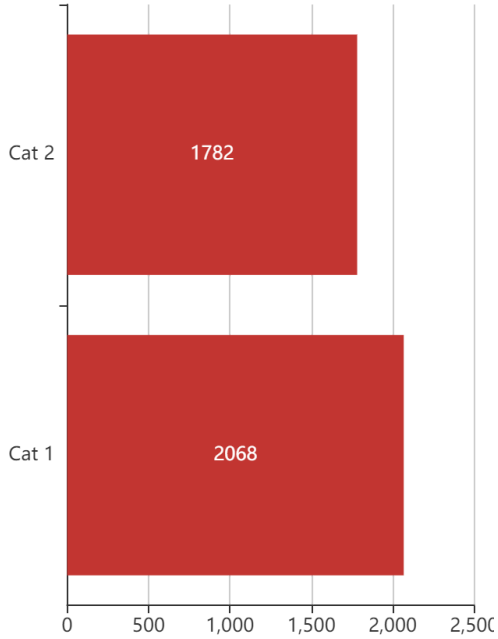
Structures

By County



Structures

By Intensity



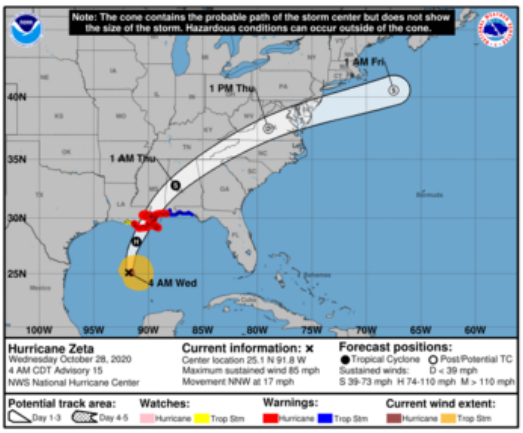
Key Messages for Hurricane Zeta

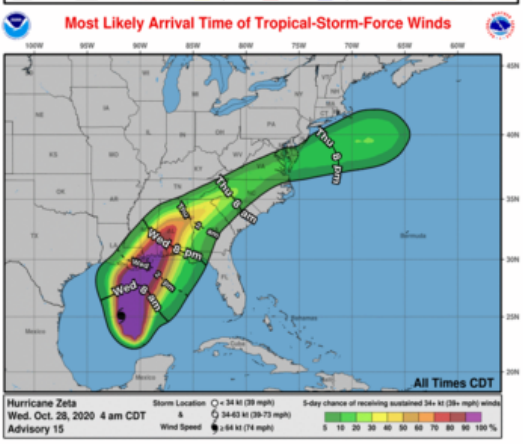
Advisory 15: 4:00 AM CDT Wed Oct 28, 2020

1. A life-threatening storm surge is expected along portions of the northern Gulf Coast by late today, with the highest inundation occurring somewhere between the Mouth of the Pearl River and Dauphin Island, Alabama. Residents in the Storm Surge Warning area should follow any advice given by local officials.

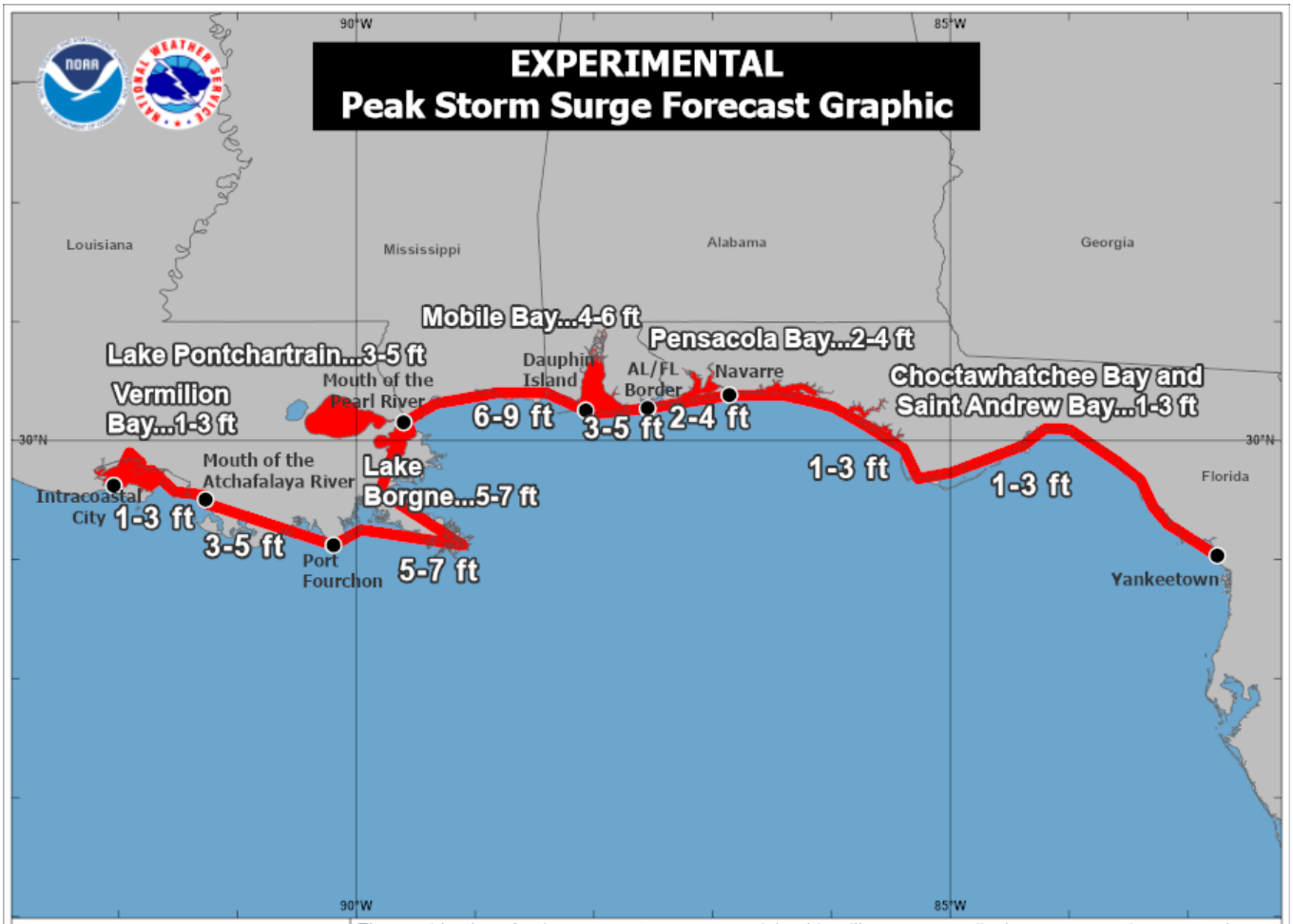
2. Hurricane conditions are expected this afternoon within portions of the Hurricane Warning area between Morgan City, Louisiana, and the Mississippi/Alabama border. Damaging winds, especially in gusts, will spread well inland across portions of southeast Mississippi and southern and central Alabama tonight due to Zeta's fast forward speed.

3. Through Thursday, heavy rainfall is expected from portions of the central U.S. Gulf Coast into the Tennessee Valley, Ohio Valley, Southern to Central Appalachians, and Mid-Atlantic States near and in advance of Zeta. This rainfall will lead to flash, urban, small stream, and minor river flooding.



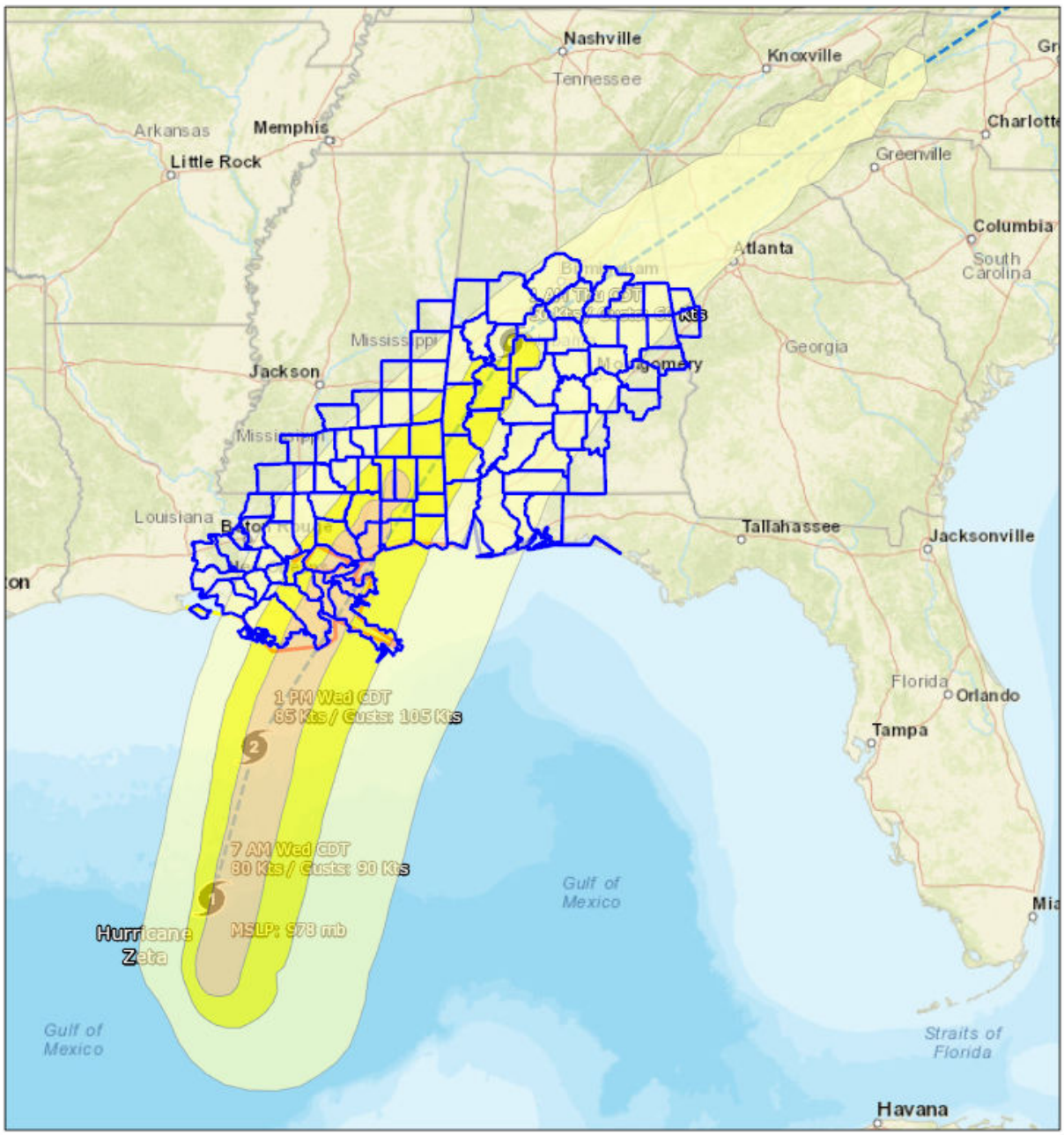


For more information go to hurricanes.gov



Hurricane Zeta
Wednesday October 28, 2020
04 AM CDT Advisory 15
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.



1:8,641,196

0 65 130 260 mi

0 100 200 400 km

Counties

Mission Model Swaths

TS

Cat 1

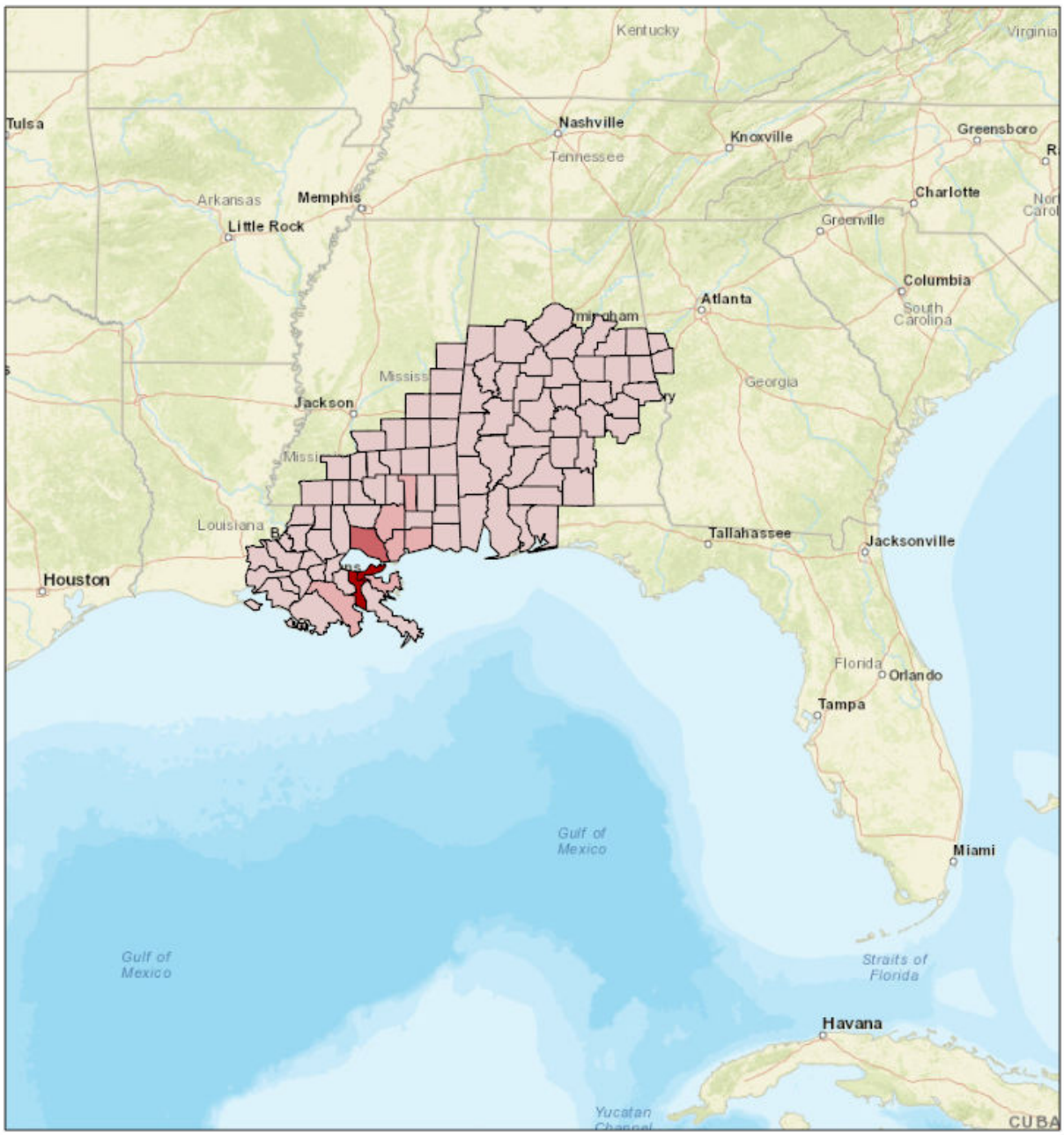
Cat 2

120-hr Forecast Track Line

NOAA/NOS/OCS nowCOAST, NOAA/NWS/NHC, NOAA/NWS/CPHC, Esri, HERE, Garmin, NGA, USGS, NPS

Created by SimSuite

Debris



1:10,271,853

0 75 150 300 mi

0 120 240 480 km

Debris

- < 100,000 cubic yards
- 100,000 - 249,000 cubic yards
- 250,000 - 499,999 cubic yards

Esri, HERE, Garmin, NGA, USGS, NPS

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Temporary Roofing

1:10,271,853

0 75 150 300 mi

0 120 240 480 km

Temporary Roofing

< 2,000 units

Esri, HERE, Garmin, NGA, USGS, NPS

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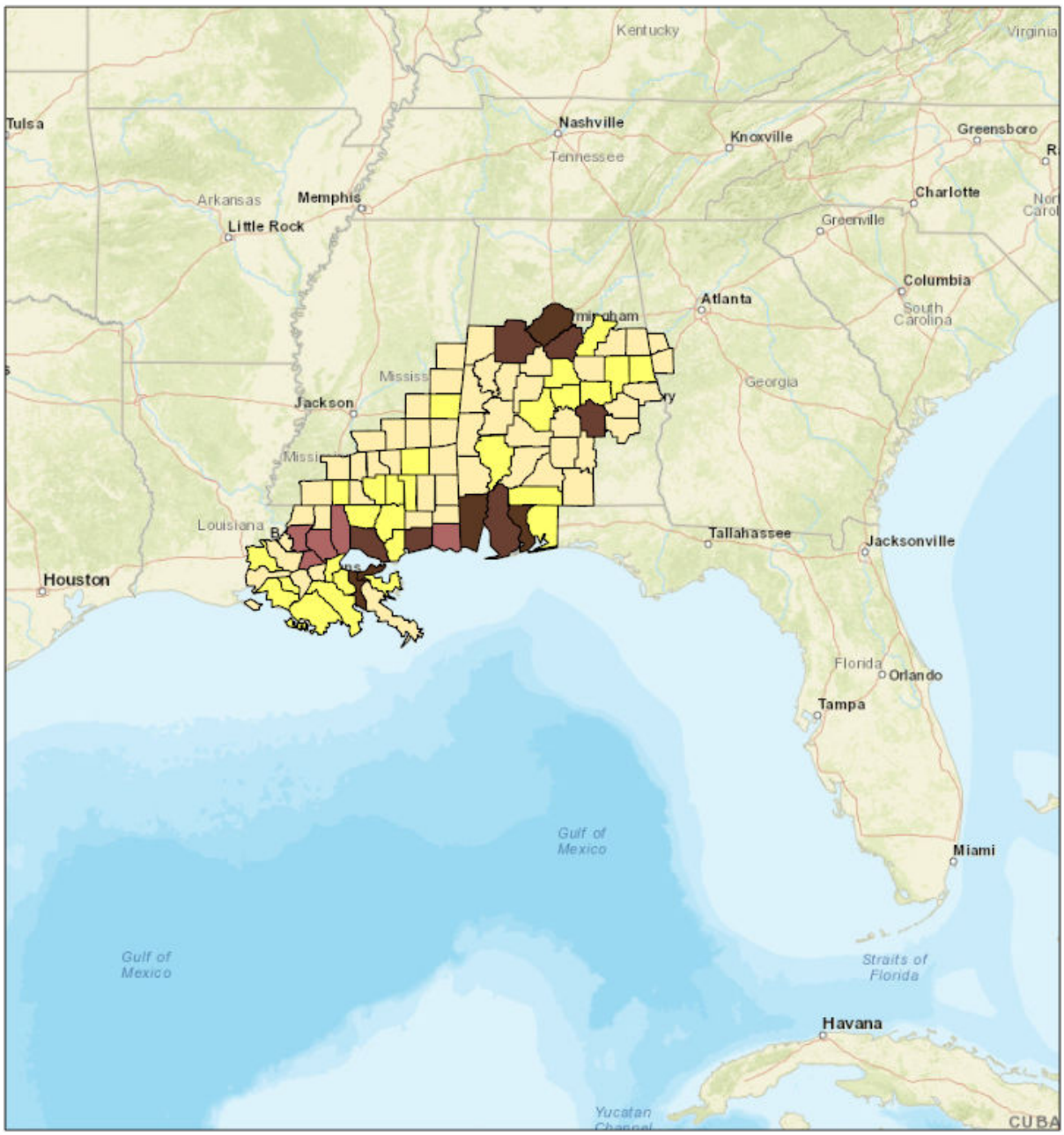
Population



1:10,271,853

0 75 150 300 mi

0 120 240 480 km

Esri, HERE, Garmin, NGA, USGS, NPS

Population

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

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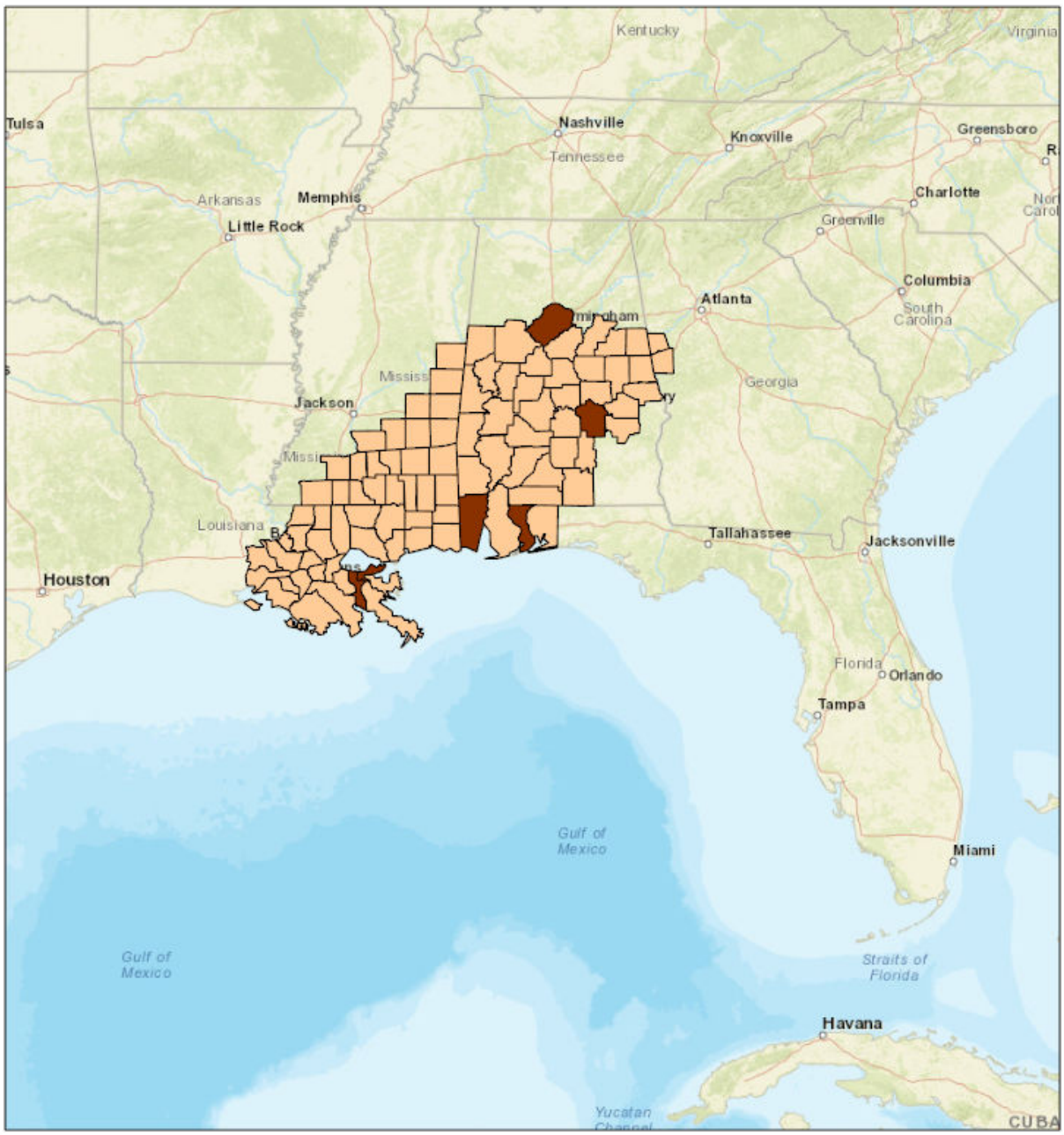
Households



1:10,271,853

0 75 150 300 mi

0 120 240 480 km

Esri, HERE, Garmin, NGA, USGS, NPS

Households

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

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	92
Debris (cu. yd.)	4,562,101
Temporary Roofing (units)	5,083
Population	5,984,180
Households	2,195,204

Population Distribution	
Tropical Storm	3,647,781
Category 1	1,018,064
Category 2	1,229,190

ALABAMA	Yards of Debris (135,935)	Roof Units (209)	Population (2,582,304)	Households (943,002)
Autauga	0	0	51,766	16,003
Baldwin	0	0	186,407	55,336
Bibb	880	1	21,803	7,422
Bullock	0	0	52	19
Butler	0	0	20,159	8,398
Chambers	0	0	34,772	14,522
Chilton	0	0	42,721	15,287
Choctaw	13,261	20	14,318	6,363
Clarke	22,045	34	26,560	10,578
Clay	0	0	13,878	5,765
Conecuh	0	0	13,266	5,792
Coosa	0	0	11,344	4,682
Covington	0	0	1,828	777
Crenshaw	0	0	4,687	1,893
Dallas	2,656	4	42,839	17,840
Elmore	0	0	80,859	22,737
Escambia	0	0	37,531	14,297
Greene	253	0	9,278	3,931
Hale	5,036	8	18,594	6,415
Jefferson	0	0	662,628	263,265
Lee	0	0	8,737	2,907
Lowndes	0	0	12,852	4,909
Macon	0	0	4,531	1,805
Marengo	18,270	28	21,292	8,767
Mobile	46,816	72	410,216	150,172
Monroe	0	0	23,425	9,383
Montgomery	0	0	227,425	86,068
Perry	9,030	14	10,680	4,333
Pickens	0	0	2,595	1,057
Randolph	0	0	22,785	8,642
Shelby	0	0	196,034	54,631
Sumter	2,538	4	13,181	5,678
Talladega	0	0	80,412	30,674
Tallapoosa	0	0	40,715	16,656
Tuscaloosa	0	0	181,821	64,517
Washington	13,973	21	17,370	6,705
Wilcox	1,177	2	12,943	4,776

FLORIDA	Yards of Debris (0)	Roof Units (0)	Population (368,365)	Households (126,949)
Escambia	0	0	314,018	111,049
Santa Rosa	0	0	54,347	15,900

GEORGIA	Yards of Debris (0)	Roof Units (0)	Population (12,280)	Households (4,254)
Heard	0	0	11,652	4,043
Troup	0	0	628	211

LOUISIANA	Yards of Debris (3,539,701)	Roof Units (3,767)	Population (2,049,669)	Households (772,197)
Ascension	0	0	107,959	26,691
Assumption	0	0	23,119	8,239
East Baton Rouge	0	0	131,019	47,561
East Feliciana	0	0	528	171
Iberia	0	0	3,433	1,156
Iberville	0	0	9,432	3,052
Jefferson	1,271,000	1,311	435,334	176,234
Lafourche	160,630	176	86,007	29,394
Livingston	2,305	4	125,599	32,630
Orleans	1,357,666	1,401	351,222	188,251
Plaquemines	37,135	43	22,823	8,201
St. Bernard	181,187	187	37,764	25,123
St. Charles	73,074	85	52,742	16,422
St. Helena	0	0	10,363	3,873
St. James	1,208	2	21,505	6,992
St. John the Baptist	29,766	46	47,737	14,283
St. Martin	0	0	52,518	17,164
St. Mary	0	0	50,951	19,317
St. Tammany	307,597	354	232,392	67,659
Tangipahoa	16,270	25	119,775	36,558
Terrebonne	86,483	111	81,982	26,748
Washington	15,381	24	45,429	16,467
West Baton Rouge	0	0	34	11

MISSISSIPPI	Yards of Debris (886,465)	Roof Units (1,107)	Population (971,563)	Households (348,802)
Amite	0	0	1,045	416
Clarke	7,649	12	17,627	6,978
Covington	25	0	20,622	7,126
Forrest	113,336	134	80,667	27,048
George	14,050	22	22,068	6,742
Greene	8,644	13	13,959	4,148
Hancock	121,861	126	40,492	16,897
Harrison	237,237	302	183,007	71,534
Jackson	99,357	153	135,395	47,676
Jasper	444	1	18,308	6,706
Jefferson Davis	0	0	13,153	5,177
Jones	50,589	78	67,770	24,275
Kemper	0	0	4,436	1,743
Lamar	30,001	46	49,820	14,396
Lauderdale	5	0	77,619	29,800
Lawrence	0	0	6,322	2,365
Lincoln	0	0	264	95
Marion	3,458	5	26,089	9,336
Newton	0	0	9,318	3,406
Noxubee	0	0	26	10
Pearl River	130,379	135	58,831	18,078
Perry	31,877	33	12,241	4,420
Pike	0	0	40,198	14,792
Simpson	0	0	3,987	1,417
Smith	0	0	15,745	6,046
Stone	21,120	24	16,210	4,747
Walthall	58	0	15,619	5,572
Wayne	16,374	25	20,726	7,857

COVID-19

#	County	Cases
1	Fulton	31,038
2	Gwinnett	30,489
3	Jefferson	23,573
4	Cobb	21,867
5	DeKalb	21,101
6	Jefferson	18,687
7	Greenville	17,482
8	Mobile	16,994
9	East Baton Rouge	16,092
10	Orleans	13,471
11	Escambia	13,375
12	Hall	10,658
13	Tuscaloosa	10,462
14	Montgomery	10,352
15	St. Tammany	7,727
16	Shelby	7,504
17	Cherokee	7,082
18	Baldwin	6,712
19	Lee	6,571
20	Santa Rosa	5,894
21	Whitfield	5,410
22	Harrison	5,398
23	Tangipahoa	5,004
24	Forsyth	4,735
25	Jackson	4,693
26	Calhoun	4,647
27	Marshall	4,426
28	Pickens	4,406
29	Etowah	4,341
30	Livingston	4,216
31	Ascension	4,146
32	Buncombe	4,088
33	Douglas	4,084
34	Floyd	3,956
35	Lafourche	3,899
36	Terrebonne	3,862
37	Bartow	3,614
38	DeKalb	3,492
39	Sevier	3,408

40	Carroll	3,337
41	Elmore	3,246
42	Paulding	3,147
43	Forrest	3,094
44	Iberia	3,072
45	Troup	3,056
46	St. Clair	3,040
47	Coweta	2,964
48	Jones	2,961
49	Walker	2,837
50	Talladega	2,714
51	Burke	2,654
52	Henderson	2,504
53	Lauderdale	2,499
54	Caldwell	2,476
55	Oconee	2,444
56	Gordon	2,370
57	Lamar	2,291
58	St. Martin	2,218
59	Autauga	2,082
60	St. Mary	2,021
61	Blount	1,972
62	St. Charles	1,956
63	Chilton	1,904
64	Dallas	1,881
65	Walker	1,877
66	Habersham	1,876
67	East Feliciana	1,796
68	Covington	1,759
69	Escambia	1,749
70	Washington	1,747
71	Rutherford	1,742
72	Polk	1,707
73	St. John the Baptist	1,649
74	Carter	1,598
75	St. Bernard	1,548
76	Monroe	1,486
77	Iberville	1,475
78	Catoosa	1,429
79	Lincoln	1,429
80	Pike	1,404
81	Watauga	1,392
82	Chambers	1,368
83	Clarke	1,366

84	Tallapoosa	1,339
85	McDowell	1,313
86	Stephens	1,278
87	Simpson	1,223
88	Pearl River	1,150
89	Lumpkin	1,043
90	Jackson	1,036
91	Gilmer	1,036
92	Murray	1,033
93	Wayne	1,027
94	Marengo	1,026
95	George	1,014
96	Butler	1,012
97	White	1,000
98	Covington	985
99	West Baton Rouge	970
100	Marion	954
101	Chattooga	940
102	Dawson	911
103	Plaquemines	893
104	Union	886
105	Pickens	869
106	Newton	868
107	Hancock	859
108	Bibb	850
109	St. James	841
110	Randolph	835
111	Fannin	828
112	Assumption	799
113	Hale	777
114	Pickens	775
115	Cherokee	773
116	Clarke	763
117	Cherokee	756
118	Clay	753
119	Macon	752
120	Washington	751
121	Lowndes	716
122	Haywood	710
123	Jasper	692
124	Monroe	655
125	Bullock	650
126	Haralson	642

127	Walthall	641
128	Avery	619
129	Crenshaw	609
130	Noxubee	601
131	Smith	598
132	Perry	595
133	Cleburne	573
134	Wilcox	570
135	Conecuh	565
136	Banks	556
137	Macon	539
138	Lawrence	534
139	Polk	527
140	Perry	512
141	Stone	486
142	Greene	479
143	Sumter	474
144	Towns	438
145	St. Helena	437
146	Rabun	428
147	Amite	427
148	Jefferson Davis	417
149	Transylvania	409
150	Choctaw	393
151	Greene	346
152	Kemper	327
153	Yancey	314
154	Swain	276
155	Graham	246
156	Madison	244
157	Heard	228
158	Clay	222
159	Mitchell	219
160	Coosa	209

Critical Infrastructure

Summary	
Total Critical Facilities	3,850
Power Requirements (kW)	119,605.0

Range (kW)			
Communications	**# FED Gen Req**	**Range (kW)**	**Req kW**
AM Antennas (42)	2.1	35 - 75	115.5
Cellular Towers (211)	126.6	35 - 75	6,963.0
FM Antennas (109)	5.5	35 - 75	299.8
Education	**# FED Gen Req**	**Range (kW)**	**Req kW**
Private Schools (191)	0.0	200 - 300	0.0
Public Schools (675)	202.5	200 - 300	50,625.0
Colleges and Universities (53)	1.1	200 - 300	265.0
Emergency Services	**# FED Gen Req**	**Range (kW)**	**Req kW**
911 Call Centers (2)	0.2	15 - 35	5.0
Emergency Medical Service (356)	35.6	15 - 35	890.0
Fire Stations (543)	54.3	15 - 35	1,357.5
Service Providers (2)	0.0	0 - 0	0.0
Healthcare	**# FED Gen Req**	**Range (kW)**	**Req kW**
Nursing Homes (173)	25.9	35 - 100	1,751.6
Hospitals (74)	22.2	800 - 2000	31,080.0
Urgent Care Facilities (35)	7.0	200 - 300	1,750.0
Military	**# FED Gen Req**	**Range (kW)**	**Req kW**
Air National Guard (ANG) Sites (4)	0.0	15 - 35	0.0
Army National Guard (ARNG) Sites (38)	0.0	15 - 35	0.0
National Security Government Military Facilities (314)	0.0	15 - 35	0.0
Law Enforcement	**# FED Gen Req**	**Range (kW)**	**Req kW**
Prison Points (38)	7.6	400 - 600	3,800.0
Local Police (76)	7.6	15 - 35	190.0
State Police (10)	0.5	15 - 35	12.5
Correctional Facilities (0)	0.0	400 - 600	0.0
State and Local EOC	**# FED Gen Req**	**Range (kW)**	**Req kW**
Local Emergency Operations Centers (27)	5.4	15 - 40	148.5
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 (4)	0.4	100 - 200	60.0

Transportation	# FED Gen Req	Range (kW)	Req kW
Ports (571)	0.0	600 - 1200	0.0
Amtrak Stations (9)	0.0	100 - 300	0.0
Bus Stations (65)	0.0	100 - 300	0.0
Intermodal Terminal Facilities (36)	0.0	100 - 300	0.0
Railroad Stations (9)	0.0	100 - 300	0.0
Public-Use Airports (149)	17.9	40 - 100	1,251.6

Water	# FED Gen Req	Range (kW)	Req kW
Water Treatment Facilities (2)	0.8	800 - 2000	1,120.0
Wastewater Treatment Plants (32)	12.8	800 - 2000	17,920.0

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