



US Army Corps
of Engineers®
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Hurricane Delta Adv. #16

For Planning Purposes Only!

WASHINGTON, DC
11:29:18
08 Oct 2020

CHICAGO
10:29:18
08 Oct 2020

LOS ANGELES
08:29:18
08 Oct 2020

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

Updated as of 8 Oct 2020 (10:29 AM Central Daylight Time)



Debris

1,950,922
cu. yd.

Louisiana 100% (1,950,922)

Arkansas <1% (0)

Mississippi <1% (0)

Texas <1% (0)



Temporary
Roofing

3,062
units

Louisiana 100% (3,062)

Arkansas <1% (0)

Mississippi <1% (0)

Texas <1% (0)



Population

5,119,387
people

Louisiana 50% (2,574,001)

Texas 37% (1,878,400)

Mississippi 13% (654,662)

Arkansas <1% (12,325)



Households

1,721,669
households

Louisiana 52% (889,547)

Texas 34% (590,215)

Mississippi 14% (236,702)

Arkansas <1% (5,205)

Critical Infrastructure Summary

Total

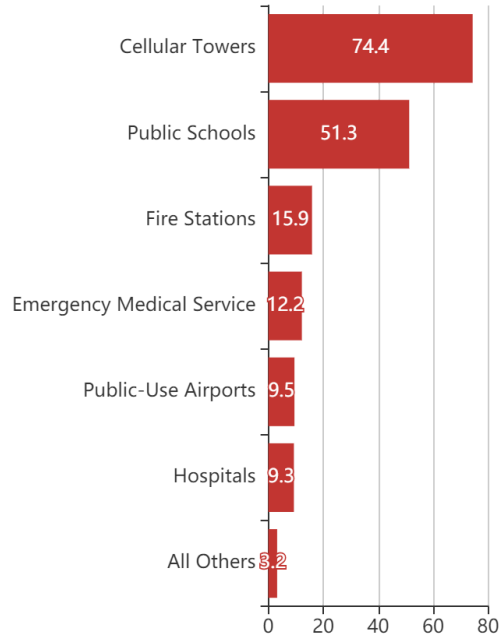


Power Requirements



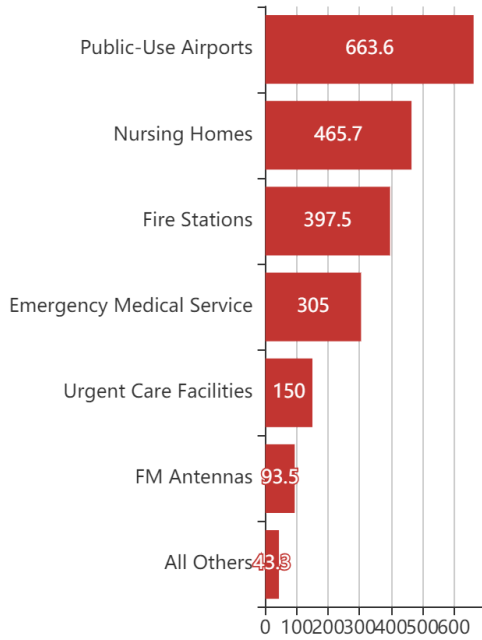
Generators

By Generator Count



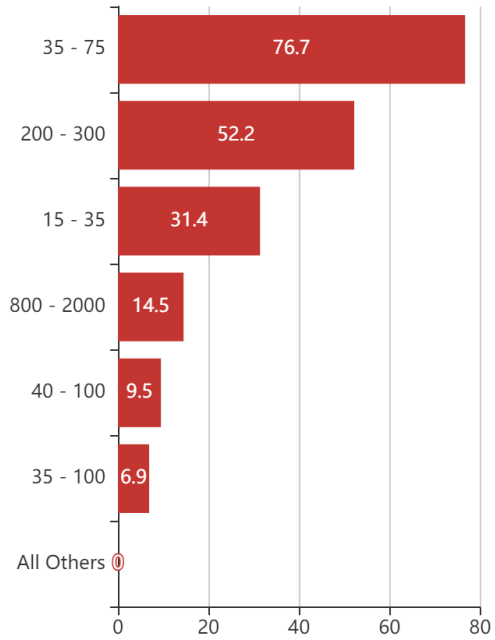
Generators

By Power Requirement



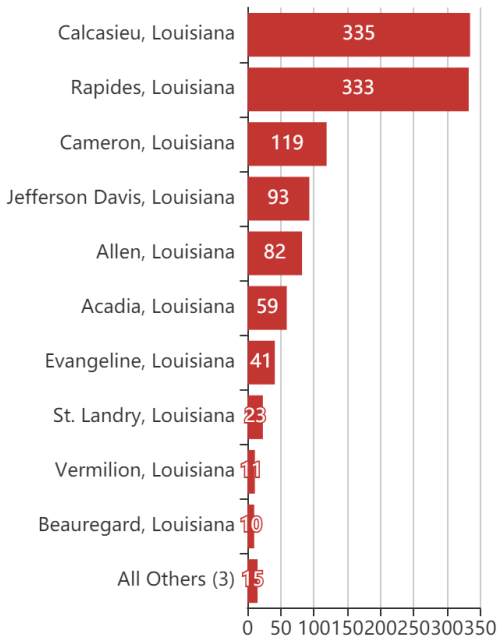
Generators

By Range



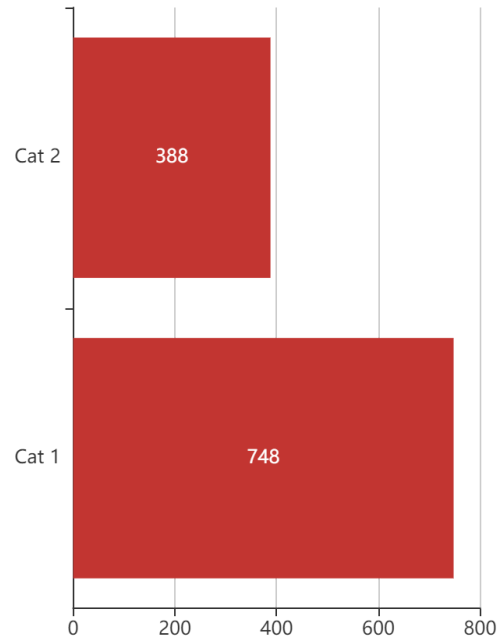
Structures

By County



Structures

By Intensity





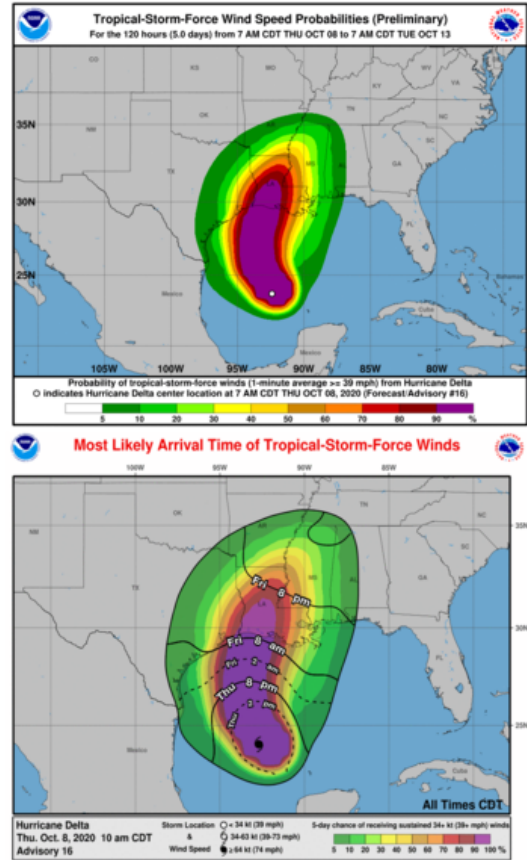
Key Messages for Hurricane Delta

Advisory 16: 10:00 AM CDT Thu Oct 08, 2020

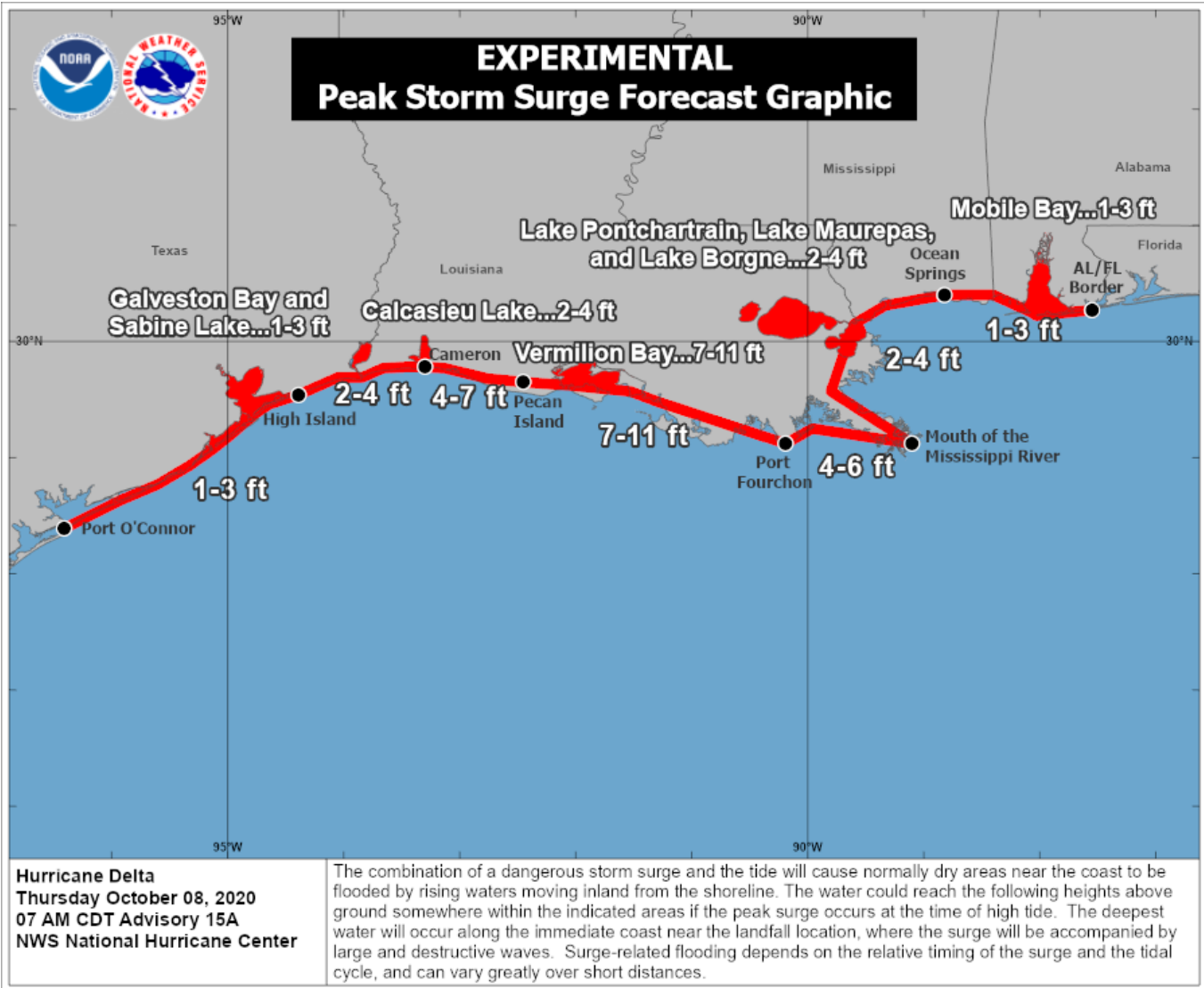
1. Life-threatening storm surge is expected near and east of where Delta makes landfall on Friday, and a Storm Surge Warning is in effect from High Island, Texas, to Ocean Springs, Mississippi. The highest inundation of 7 to 11 feet is expected somewhere between Rockefeller Wildlife Refuge and Port Fourchon, Louisiana. Residents in the warning area should promptly follow advice given by local officials. The storm surge risk remains high despite the forecast decrease in intensity before landfall since Delta is expected to grow in size.

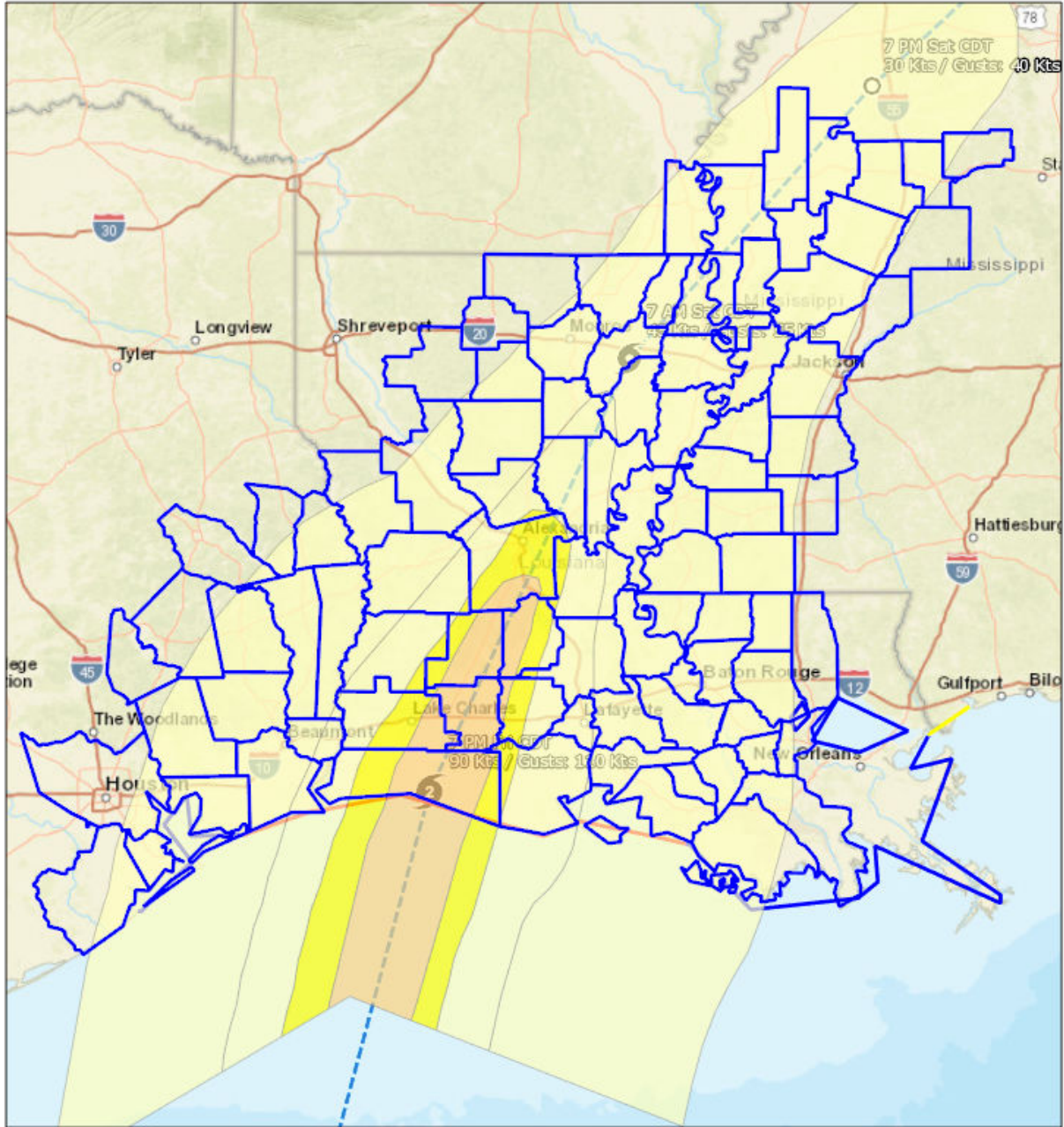
2. Hurricane-force winds are expected Friday afternoon and evening somewhere within the Hurricane Warning area between High Island, Texas, and Morgan City, Louisiana. Hurricane-force winds will also spread inland across portions of southern Louisiana near the path of Delta's center Friday evening and Friday night.






3. Significant flash flooding and minor to moderate river flooding are likely in parts of Louisiana Friday and Saturday, with additional flooding in portions of the central Gulf Coast into the Lower Mississippi Valley.

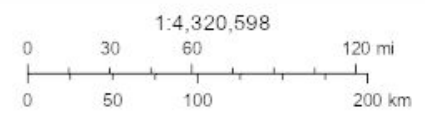


For more information go to hurricanes.gov





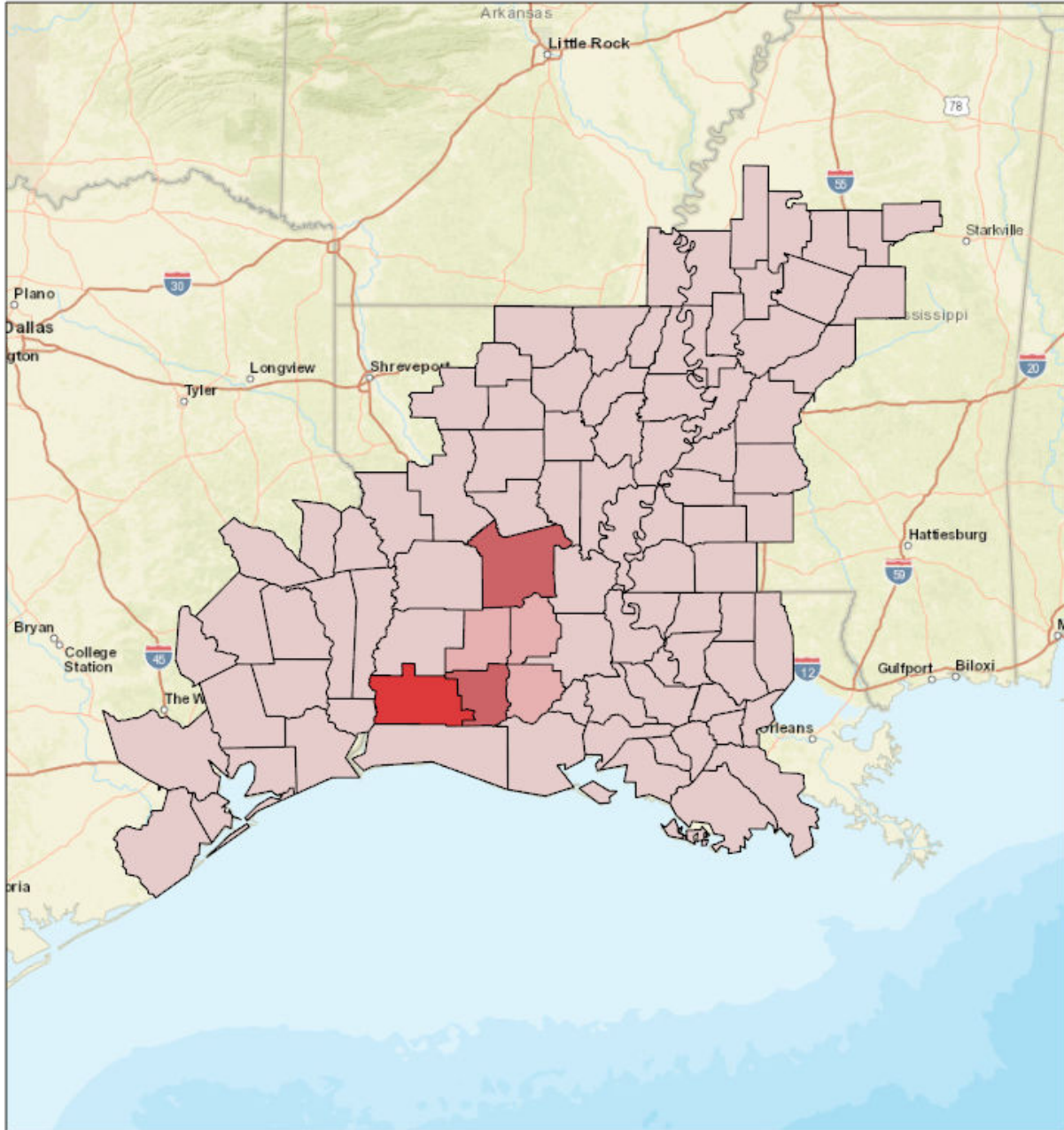
-  Counties
- Mission Model Swaths
 -  TS
 -  Cat 1
 -  Cat 2
-  120-hr Forecast Track Line







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/IOCS now COAST, NOAA/NWS/NHC, NOAA/NWS/CPHC

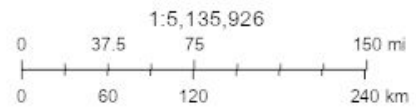
Created by SimSuite

Debris



Debris

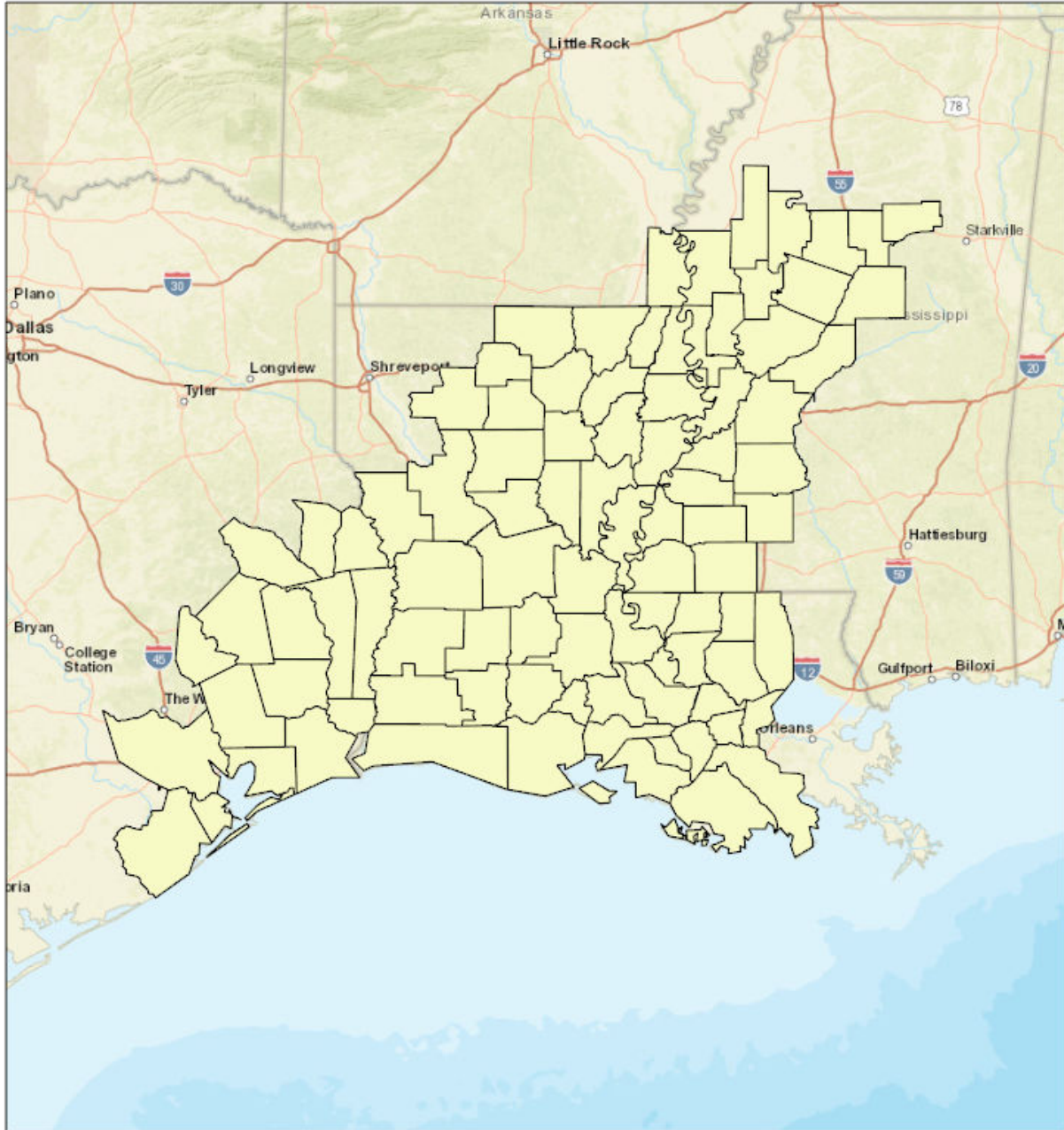
-  < 100,000 cubic yards
-  100,000 - 249,000 cubic yards
-  250,000 - 499,999 cubic yards
-  500,000 - 999,999 cubic yards



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

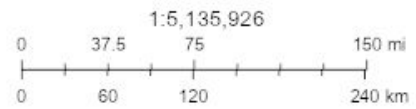
Created by SimSuite

Temporary Roofing



Temporary Roofing

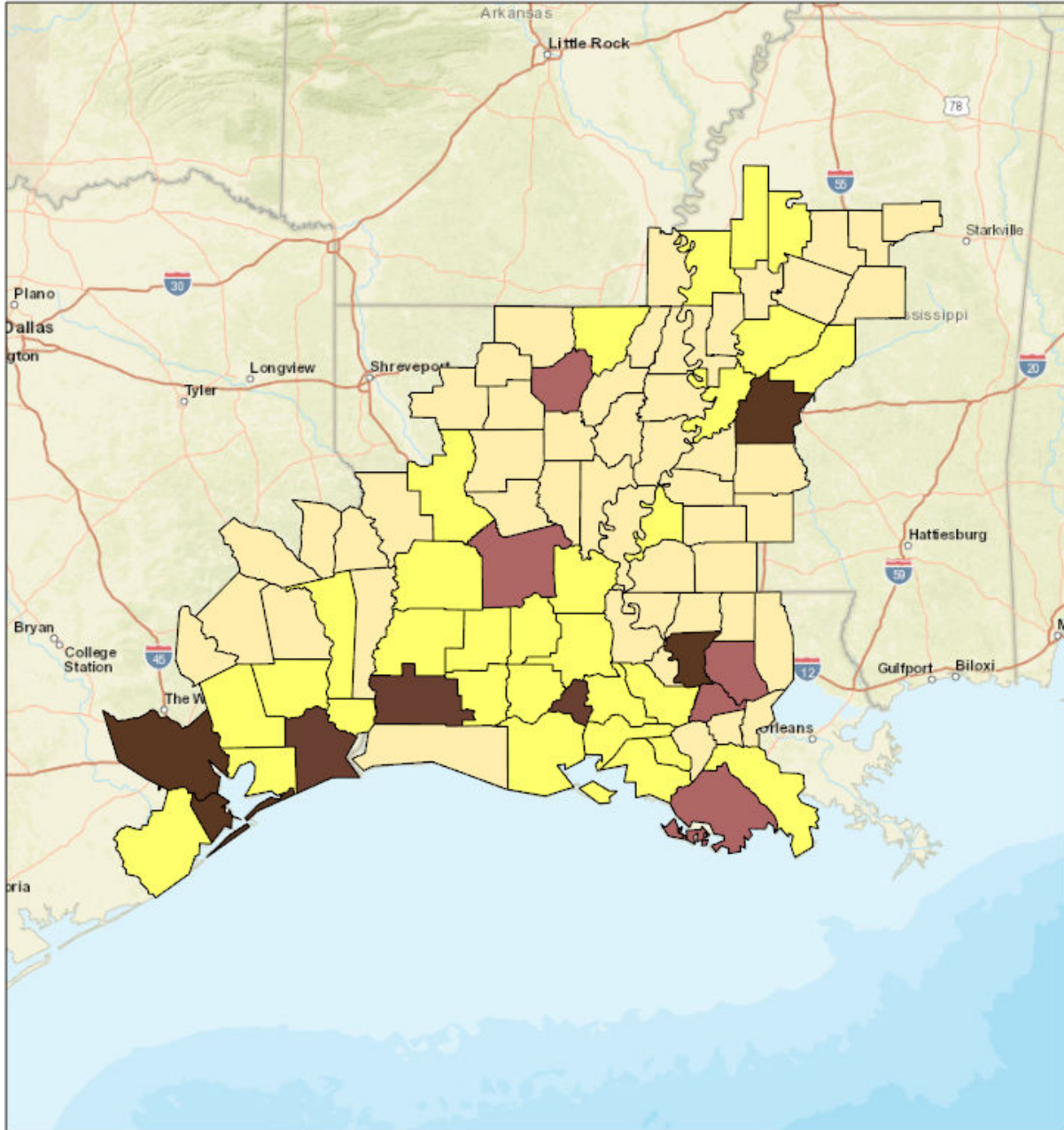
 < 2,000 units



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

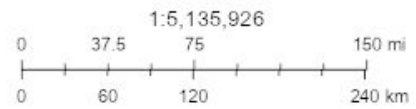
Created by SimSuite

Population



Population

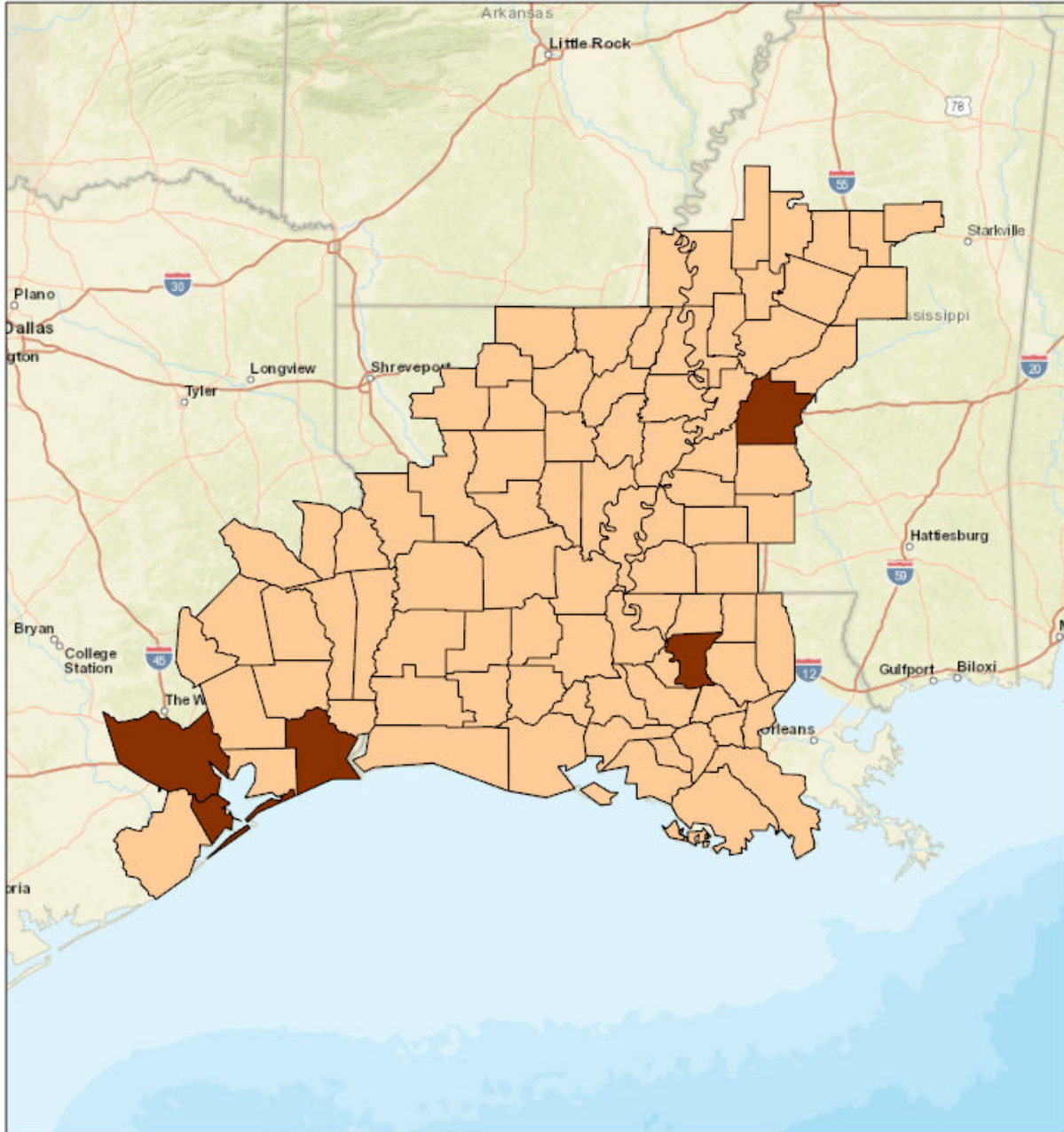
- < 25,000 persons
- 25,000 - 99,000 persons
- 100,000 - 174,999 persons
- 175,000 - 249,000 persons



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

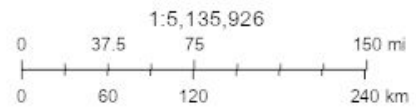
Created by SimSuite

Households



Households

- < 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

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	91
Debris (cu. yd.)	1,950,922
Temporary Roofing (units)	3,062
Population	5,119,387
Households	1,721,669

Population Distribution	
Tropical Storm	4,773,724
Category 1	202,514
Category 2	143,211

ARKANSAS	Yards of Debris (0)	Roof Units (0)	Population (12,325)	Households (5,205)
Chicot	0	0	12,325	5,205

LOUISIANA	Yards of Debris (1,950,922)	Roof Units (3,062)	Population (2,574,001)	Households (889,547)
Acadia	124,511	213	60,985	21,141
Allen	170,164	246	25,818	8,102
Ascension	0	0	107,959	26,691
Assumption	0	0	23,119	8,239
Avoyelles	17,635	36	42,425	14,738
Beauregard	10,568	22	35,093	12,104
Bienville	0	0	210	86
Calcasieu	622,503	972	187,698	68,640
Caldwell	0	0	10,333	3,941
Cameron	60,736	90	7,340	3,593
Catahoula	0	0	10,656	4,082
Concordia	0	0	19,307	7,521
East Baton Rouge	0	0	430,746	156,365
East Carroll	0	0	8,195	2,969
East Feliciana	0	0	20,723	6,699
Evangeline	199,199	297	36,011	12,736
Franklin	0	0	19,999	7,754
Grant	2,674	5	21,740	7,075
Iberia	0	0	75,402	25,381
Iberville	0	0	32,992	10,674
Jackson	0	0	15,165	6,086
Jefferson Davis	304,920	421	31,374	11,480

La Salle	0	0	14,164	5,291
Lafayette	0	0	210,850	72,372
Lafourche	0	0	26,399	9,022
Lincoln	0	0	298	106
Livingston	0	0	125,599	32,630
Madison	0	0	12,172	4,469
Morehouse	0	0	28,799	11,382
Natchitoches	0	0	39,823	14,263
Ouachita	0	0	151,722	55,216
Pointe Coupee	0	0	22,820	8,397
Rapides	405,990	696	133,478	47,115
Richland	0	0	20,657	7,490
Sabine	0	0	23,657	9,221
St. Helena	0	0	10,363	3,873
St. James	0	0	21,505	6,992
St. John the Baptist	0	0	22,618	6,767
St. Landry	7,178	15	93,349	32,325
St. Martin	0	0	52,518	17,164
St. Mary	0	0	50,951	19,317
Tangipahoa	0	0	3,962	1,209
Tensas	0	0	5,558	2,416
Terrebonne	0	0	110,329	35,997
Union	0	0	1,604	628
Vermilion	22,630	44	56,867	19,832
Vernon	2,213	5	45,284	18,261
West Baton Rouge	0	0	23,162	7,663
West Carroll	0	0	11,456	4,458
West Feliciana	0	0	15,318	3,645
Winn	0	0	15,430	5,930

MISSISSIPPI	Yards of Debris (0)	Roof Units (0)	Population (654,662)	Households (236,702)
Adams	0	0	31,752	13,677
Amite	0	0	13,229	5,271
Attala	0	0	1,106	428
Carroll	0	0	10,609	4,071
Claiborne	0	0	11,121	3,685
Copiah	0	0	14,033	4,796
Franklin	0	0	8,292	3,211
Hinds	0	0	250,044	91,030
Holmes	0	0	21,088	7,314
Humphreys	0	0	10,268	3,765
Issaquena	0	0	1,921	726
Jefferson	0	0	9,098	3,308
Leflore	0	0	36,041	12,956
Lincoln	0	0	10,355	3,727
Madison	0	0	27,773	7,766
Montgomery	0	0	12,106	4,690
Sharkey	0	0	6,093	2,163
Sunflower	0	0	31,694	9,637
Warren	0	0	48,349	18,756
Washington	0	0	58,324	22,158
Webster	0	0	2,122	811
Wilkinson	0	0	10,128	3,578
Yazoo	0	0	29,115	9,178

TEXAS	Yards of Debris (0)	Roof Units (0)	Population (1,878,400)	Households (590,215)
Angelina	0	0	6,024	2,062
Brazoria	0	0	99,041	25,611
Chambers	0	0	33,630	9,139
Galveston	0	0	297,386	94,782
Hardin	0	0	52,994	17,805
Harris	0	0	889,608	257,797
Jasper	0	0	34,760	13,450
Jefferson	0	0	246,124	92,882
Liberty	0	0	76,782	23,242
Newton	0	0	14,285	5,583
Orange	0	0	84,763	31,641
Polk	0	0	9,443	3,071
Sabine	0	0	10,437	4,485
San Augustine	0	0	2,166	889
San Jacinto	0	0	6	2
Tyler	0	0	20,950	7,775

Critical Infrastructure

Summary			
Total Critical Facilities		1,136	
Power Requirements (kW)		41,344.6	
Range (kW)			
Communications	# FED Gen Req	Range (kW)	Req kW
AM Antennas (12)	0.6	35 - 75	33.0
Cellular Towers (124)	74.4	35 - 75	4,092.0
FM Antennas (34)	1.7	35 - 75	93.5
Education	# FED Gen Req	Range (kW)	Req kW
Private Schools (29)	0.0	200 - 300	0.0
Public Schools (171)	51.3	200 - 300	12,825.0
Colleges and Universities (15)	0.3	200 - 300	75.0
Emergency Services	# FED Gen Req	Range (kW)	Req kW
911 Call Centers (0)	0.0	15 - 35	0.0
Emergency Medical Service (122)	12.2	15 - 35	305.0
Fire Stations (159)	15.9	15 - 35	397.5
Service Providers (0)	0.0	0 - 0	0.0
Healthcare	# FED Gen Req	Range (kW)	Req kW
Nursing Homes (46)	6.9	35 - 100	465.7
Hospitals (31)	9.3	800 - 2000	13,020.0
Urgent Care Facilities (3)	0.6	200 - 300	150.0
Military	# FED Gen Req	Range (kW)	Req kW
Air National Guard (ANG) Sites (2)	0.0	15 - 35	0.0
Army National Guard (ARNG) Sites (12)	0.0	15 - 35	0.0
National Security Government Military Facilities (49)	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 (30)	3.0	15 - 35	75.0
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 (6)	1.2	15 - 40	33.0
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 (2)	0.2	100 - 200	30.0

Transportation	# FED Gen Req	Range (kW)	Req kW
Ports (161)	0.0	600 - 1200	0.0
Amtrak Stations (1)	0.0	100 - 300	0.0
Bus Stations (6)	0.0	100 - 300	0.0
Intermodal Terminal Facilities (5)	0.0	100 - 300	0.0
Railroad Stations (1)	0.0	100 - 300	0.0
Public-Use Airports (79)	9.5	40 - 100	663.6

Water	# FED Gen Req	Range (kW)	Req kW
Water Treatment Facilities (0)	0.0	800 - 2000	0.0
Wastewater Treatment Plants (13)	5.2	800 - 2000	7,280.0

COVID-19

#	County	Cases
1	Harris	149,394
2	East Baton Rouge	15,398
3	Galveston	11,833
4	Brazoria	11,658
5	Lafayette	9,106
6	Calcasieu	7,986
7	Jefferson	7,708
8	Hinds	7,346
9	Ouachita	6,494
10	Tangipahoa	4,764
11	Rapides	4,374
12	Livingston	3,915
13	Ascension	3,848
14	Lafourche	3,740
15	Terrebonne	3,708
16	Madison	3,451
17	St. Landry	3,423
18	Acadia	3,004
19	Iberia	2,997
20	Washington	2,351
21	Lafayette	2,303
22	Liberty	2,264
23	Angelina	2,205
24	St. Martin	2,119
25	Vermillion	2,070
26	Orange	2,008
27	St. Mary	1,963
28	Bolivar	1,924
29	East Feliciana	1,752
30	Allen	1,713
31	St. John the Baptist	1,599
32	Avoyelles	1,599
33	Panola	1,565
34	Sunflower	1,520
35	Leflore	1,484
36	Lincoln	1,462
37	Warren	1,443
38	Iberville	1,422
39	Chambers	1,414

40	Hardin	1,358
41	Pontotoc	1,356
42	Evangeline	1,350
43	Jefferson Davis	1,283
44	Copiah	1,256
45	Natchitoches	1,244
46	Franklin	1,237
47	Coahoma	1,198
48	Lincoln	1,178
49	Marshall	1,138
50	Grenada	1,133
51	Holmes	1,113
52	Yazoo	1,088
53	Vernon	1,085
54	Pointe Coupee	1,070
55	Union	1,065
56	Tate	1,062
57	Beauregard	1,028
58	Union	1,015
59	Chicot	1,015
60	Adams	978
61	West Baton Rouge	927
62	Sabine	898
63	Madison	888
64	Polk	876
65	Morehouse	833
66	St. James	812
67	Richland	801
68	Tallahatchie	793
69	Assumption	771
70	Chickasaw	741
71	West Feliciana	734
72	Jackson	703
73	Attala	696
74	Winn	645
75	Calhoun	555
76	East Carroll	548
77	Concordia	525
78	Bienville	514
79	Grant	502
80	Claiborne	500
81	Montgomery	498
82	Jasper	496
83	Yalobusha	458

84	Ashley	455
85	Catahoula	442
86	LaSalle	440
87	St. Helena	424
88	Quitman	402
89	Humphreys	382
90	Drew	368
91	Amite	363
92	Webster	355
93	West Carroll	353
94	Carroll	336
95	Desha	327
96	Wilkinson	313
97	Caldwell	313
98	Sharkey	268
99	Benton	256
100	Jefferson	247
101	Tyler	236
102	Cameron	235
103	San Jacinto	228
104	San Augustine	207
105	Franklin	206
106	Newton	187
107	Tensas	162
108	Issaquena	106
109	Sabine	82