



US Army Corps of Engineers
BUILDING STRONG®

Hurricane Zeta Adv. #17

For Planning Purposes Only!

WASHINGTON, DC
18:27:44
28 Oct 2020

CHICAGO
17:27:44
28 Oct 2020

LOS ANGELES
15:27:44
28 Oct 2020

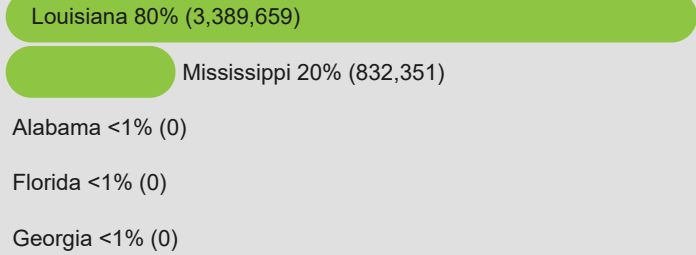
<https://go.usa.gov/x7bQv>

Updated as of 28 Oct 2020 (5:27 PM Central Daylight Time)



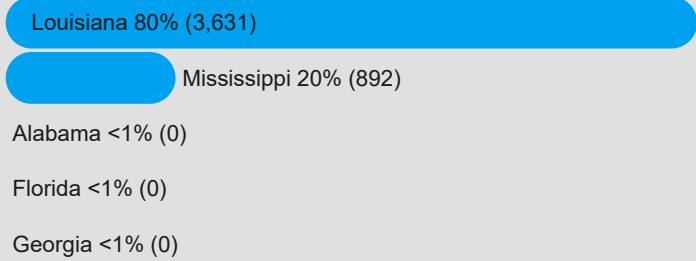
Debris

4,222,009
cu. yd.



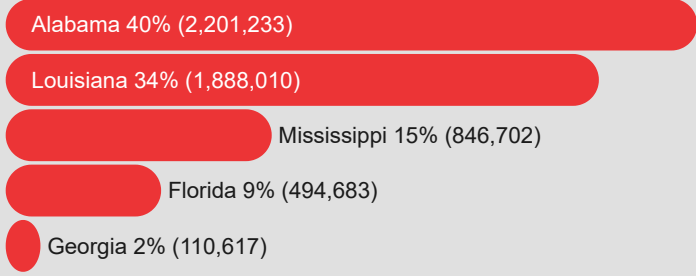
Temporary Roofing

4,523
units



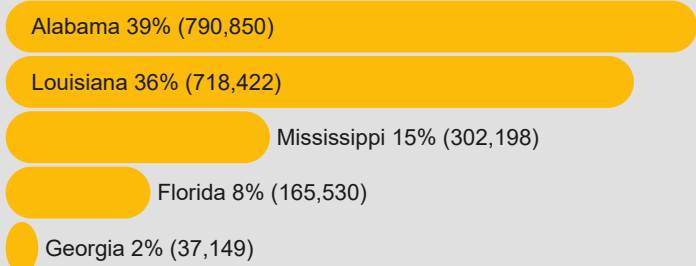
Population

5,541,245
people



Households

2,014,149
households



Critical Infrastructure Summary

Total

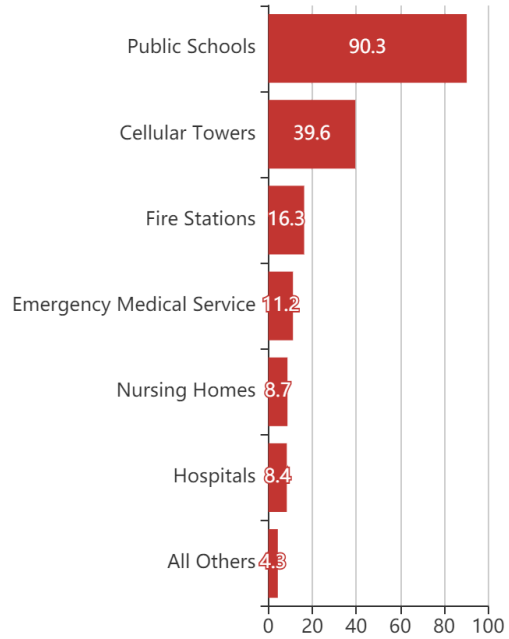


Power Requirements



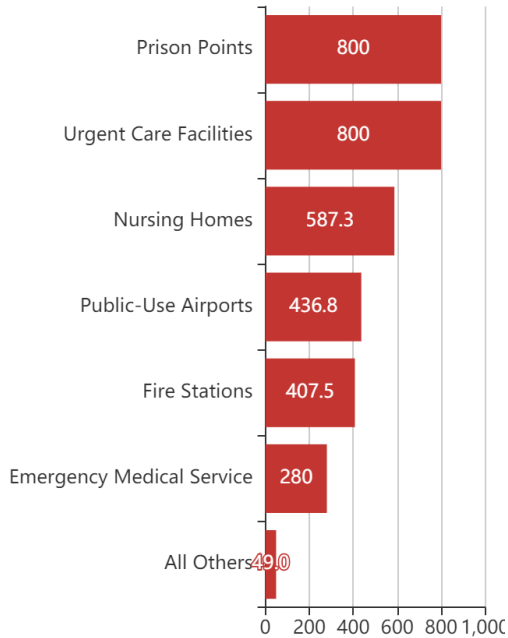
Generators

By Generator Count



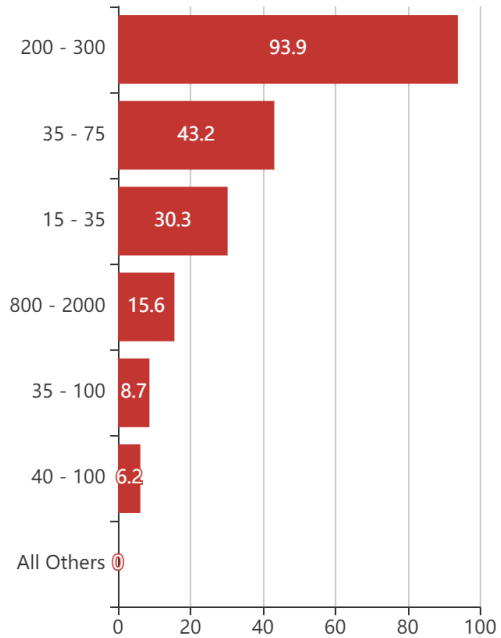
Generators

By Power Requirement



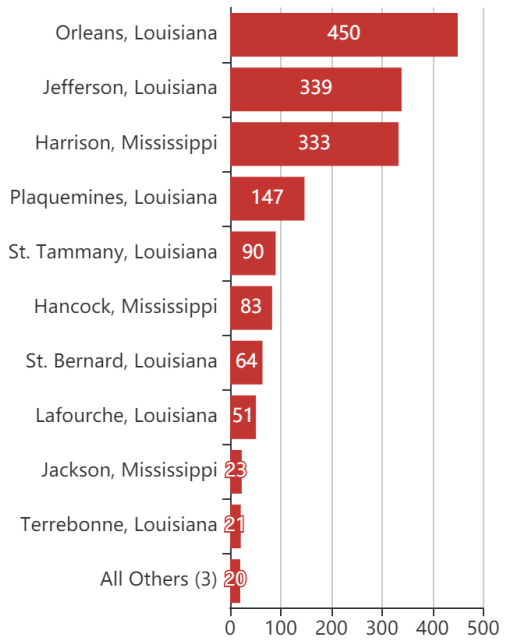
Generators

By Range



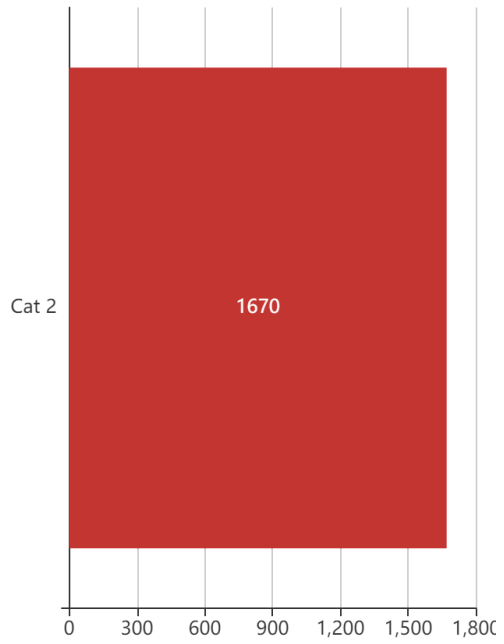
Structures

By County



Structures

By Intensity





Key Messages for Hurricane Zeta

Advisory 17: 4:00 PM CDT Wed Oct 28, 2020

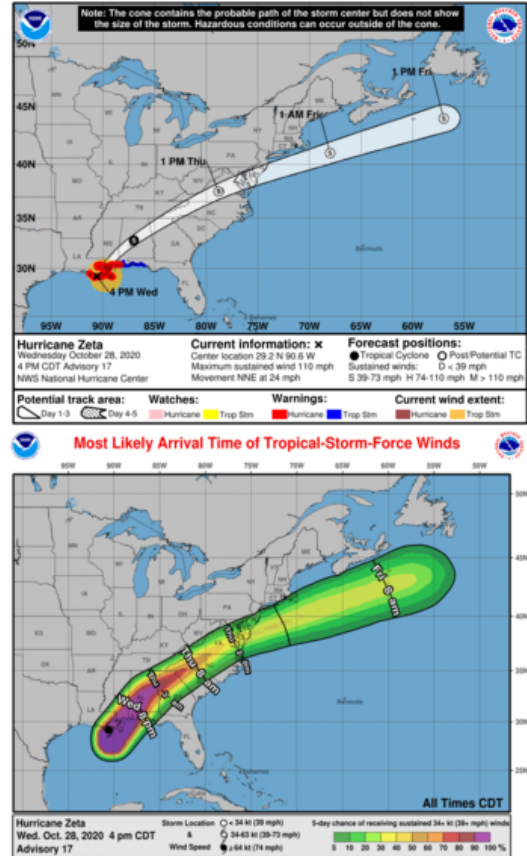


1. A life-threatening storm surge is beginning along portions of the northern Gulf Coast, with the highest inundation expected to occur somewhere between Port Fourchon, Louisiana, and Dauphin Island, Alabama, especially along the Mississippi coast. Overtopping of local, non-federal levee systems is possible within southeastern Louisiana outside of the Hurricane and Storm Damage Risk Reduction System.

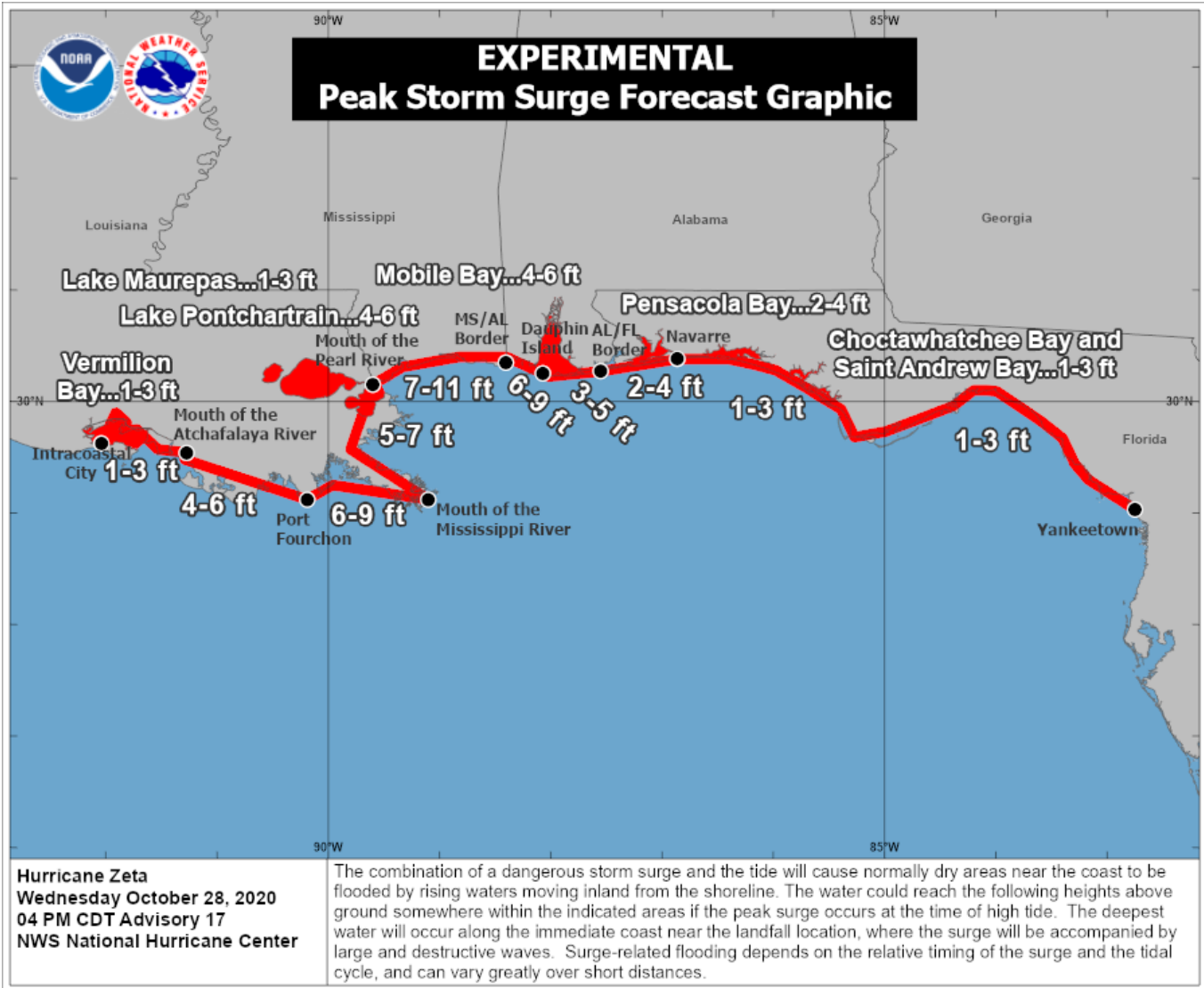
2. Extremely dangerous hurricane conditions are spreading across portions of the Hurricane Warning area along the southeastern Louisiana coast and will spread to the Mississippi coast this evening. Tropical storm conditions will spread into portions of the Tropical Storm Warning area along the Alabama and far western Florida Panhandle coasts in the next few hours.

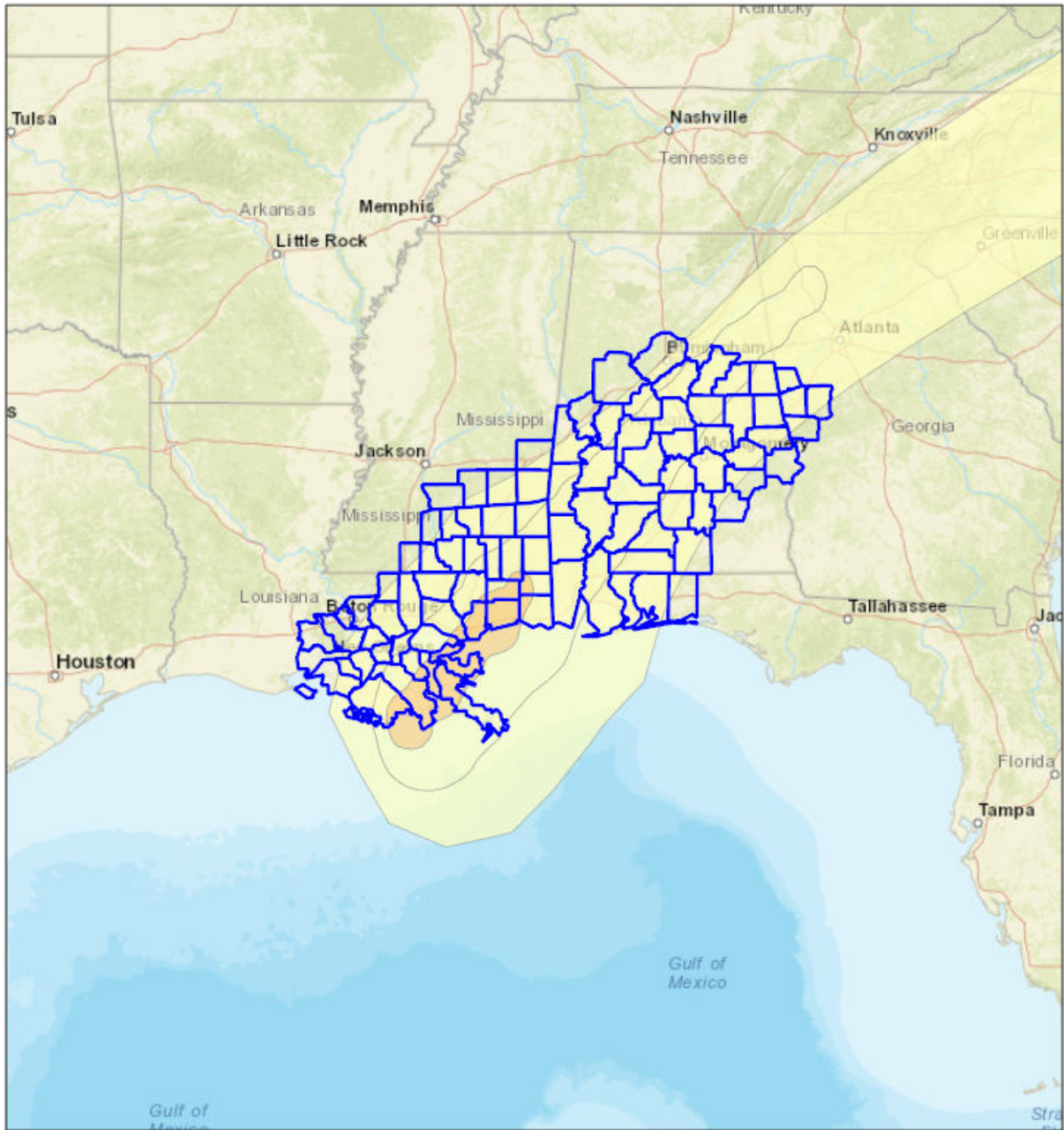
3. Strong, damaging wind gusts, which could cause tree damage and power outages, will spread well inland across portions of southeastern Mississippi, Alabama, northern Georgia, the Carolinas, and southeastern Virginia tonight and Thursday due to Zeta's fast forward speed. Wind gusts could be especially severe across the southern Appalachian Mountains on Thursday.




4. Through Thursday, heavy rainfall is expected from portions of the central U.S. Gulf Coast into the Mid-Mississippi 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.

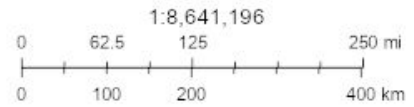


For more information go to hurricanes.gov





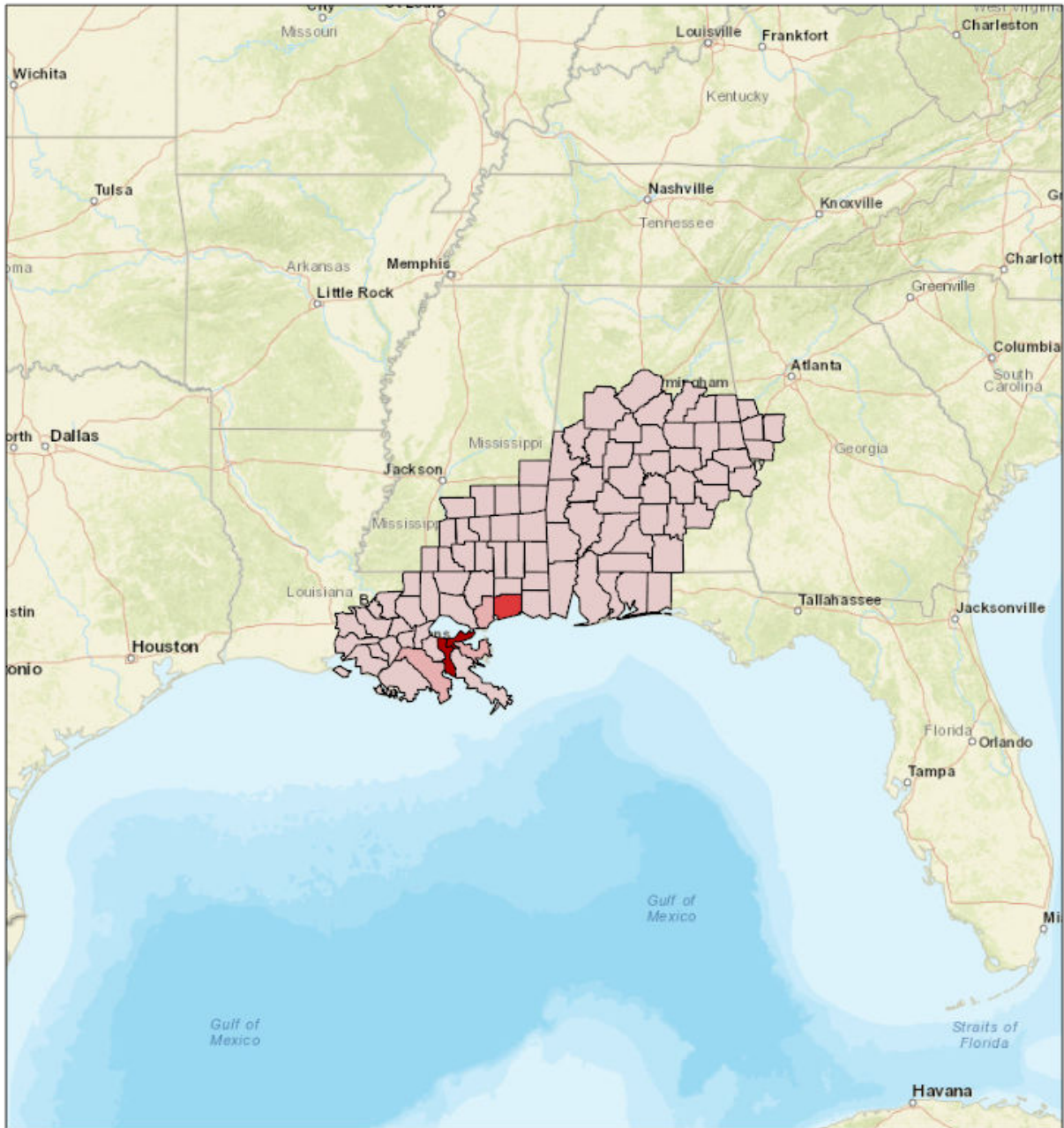
-  Counties
- Mission Model Swaths
 -  TS
 -  Cat 2






Esri, HERE, Garmin, NGA, USGS, NPS

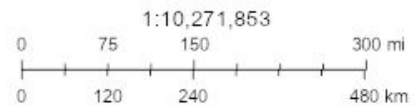
Created by SimSuite

Debris



Debris

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



Esri, HERE, Garmin, NGA, USGS, NPS

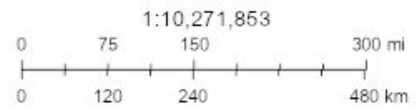
Created by SimSuite

Temporary Roofing



Temporary Roofing

 < 2,000 units

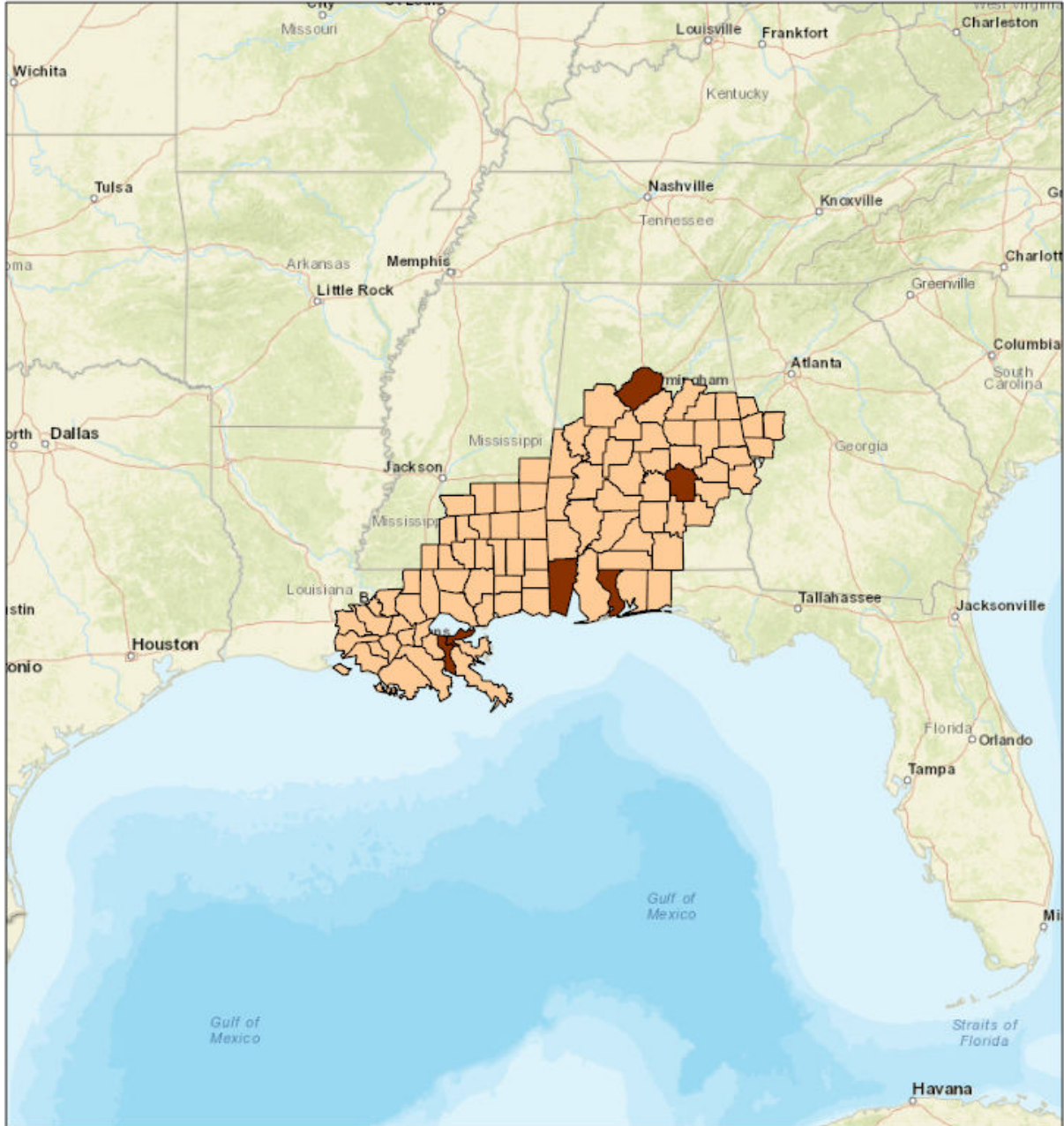


Esri, HERE, Garmin, NGA, USGS, NPS

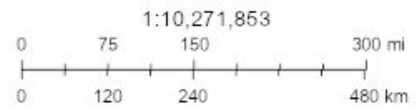
Created by SimSuite



Households



Households



Esri, HERE, Garmin, NGA, USGS, NPS

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	90
Debris (cu. yd.)	4,222,009
Temporary Roofing (units)	4,523
Population	5,541,245
Households	2,014,149
Population Distribution	
Tropical Storm	4,179,154
Category 2	1,213,101

ALABAMA	Yards of Debris (0)	Roof Units (0)	Population (2,201,233)	Households (790,850)
Autauga	0	0	51,766	16,003
Baldwin	0	0	186,407	55,336
Bibb	0	0	21,801	7,421
Bullock	0	0	4,105	1,498
Butler	0	0	20,157	8,397
Chambers	0	0	34,772	14,522
Chilton	0	0	42,721	15,287
Choctaw	0	0	14,318	6,363
Clarke	0	0	26,560	10,578
Clay	0	0	13,878	5,765
Conecuh	0	0	13,269	5,793
Coosa	0	0	11,344	4,682
Covington	0	0	36,768	15,640
Crenshaw	0	0	13,812	5,577
Dallas	0	0	42,841	17,841
Elmore	0	0	80,853	22,735
Escambia	0	0	37,524	14,295
Greene	0	0	2,682	1,136
Hale	0	0	17,111	5,903
Jefferson	0	0	248,043	98,549
Lee	0	0	137,345	45,702
Lowndes	0	0	12,853	4,909
Macon	0	0	22,463	8,950
Marengo	0	0	21,292	8,767
Mobile	0	0	410,234	150,179
Monroe	0	0	23,425	9,383
Montgomery	0	0	227,425	86,068
Perry	0	0	10,680	4,333
Pike	0	0	8,579	3,393
Randolph	0	0	22,783	8,641
Russell	0	0	3	1
Shelby	0	0	196,034	54,631
Sumter	0	0	13,252	5,708
Talladega	0	0	80,412	30,674
Tallapoosa	0	0	40,712	16,655
Tuscaloosa	0	0	22,694	8,053
Washington	0	0	17,370	6,705
Wilcox	0	0	12,943	4,776

FLORIDA	Yards of Debris (0)	Roof Units (0)	Population (494,683)	Households (165,530)
Escambia	0	0	312,530	110,523
Okaloosa	0	0	32,466	11,214
Santa Rosa	0	0	149,686	43,793

GEORGIA	Yards of Debris (0)	Roof Units (0)	Population (110,617)	Households (37,149)
Harris	0	0	10,302	2,938
Heard	0	0	11,652	4,043
Meriwether	0	0	23,252	8,248
Troup	0	0	65,411	21,920

LOUISIANA	Yards of Debris (3,389,659)	Roof Units (3,631)	Population (1,888,010)	Households (718,422)
Ascension	0	0	107,959	26,691
Assumption	0	0	23,119	8,239
East Baton Rouge	0	0	81,795	29,693
Iberia	0	0	4,281	1,441
Iberville	0	0	10,843	3,508
Jefferson	1,376,916	1,475	435,334	176,234
Lafourche	141,523	152	84,309	28,814
Livingston	0	0	125,599	32,630
Orleans	1,470,805	1,576	351,222	188,251
Plaquemines	32,721	35	24,735	8,888
St. Bernard	196,286	210	37,764	25,123
St. Charles	35,797	38	52,742	16,422
St. Helena	0	0	10,363	3,873
St. James	0	0	21,505	6,992
St. John the Baptist	0	0	47,737	14,283
St. Martin	0	0	52,518	17,164
St. Mary	0	0	22,143	8,395
St. Tammany	74,193	79	168,562	49,076
Tangipahoa	0	0	119,051	36,337
Terrebonne	61,416	66	60,997	19,901
Washington	0	0	45,429	16,467
West Baton Rouge	0	0	3	1

MISSISSIPPI	Yards of Debris (832,351)	Roof Units (892)	Population (846,702)	Households (302,198)
Clarke	0	0	17,627	6,978
Covington	0	0	20,622	7,126
Forrest	0	0	81,069	27,183
George	18,044	19	22,076	6,744
Greene	19	0	13,959	4,148
Hancock	132,016	141	40,492	16,897
Harrison	558,926	599	183,018	71,538
Jackson	76,950	82	135,363	47,665
Jasper	0	0	18,313	6,708
Jefferson Davis	0	0	13,153	5,177
Jones	0	0	67,771	24,275
Lamar	0	0	49,820	14,396
Lauderdale	0	0	24,175	9,281
Lawrence	0	0	1,730	647
Marion	0	0	26,089	9,336
Pearl River	5,734	6	50,817	15,616
Perry	3,572	4	11,534	4,165
Pike	0	0	10,483	3,857
Simpson	0	0	1,146	407
Smith	0	0	4,891	1,878
Stone	37,088	40	16,210	4,747
Walthall	0	0	15,618	5,571
Wayne	0	0	20,726	7,857

Critical Infrastructure

Summary			
Total Critical Facilities		1,670	
Power Requirements (kW)		50,368.4	
Range (kW)			
Communications	# FED Gen Req	Range (kW)	Req kW
AM Antennas (22)	1.1	35 - 75	60.5
Cellular Towers (66)	39.6	35 - 75	2,178.0
FM Antennas (49)	2.5	35 - 75	134.8
Education	# FED Gen Req	Range (kW)	Req kW
Private Schools (86)	0.0	200 - 300	0.0
Public Schools (301)	90.3	200 - 300	22,575.0
Colleges and Universities (20)	0.4	200 - 300	100.0
Emergency Services	# FED Gen Req	Range (kW)	Req kW
911 Call Centers (0)	0.0	15 - 35	0.0
Emergency Medical Service (112)	11.2	15 - 35	280.0
Fire Stations (163)	16.3	15 - 35	407.5
Service Providers (0)	0.0	0 - 0	0.0
Healthcare	# FED Gen Req	Range (kW)	Req kW
Nursing Homes (58)	8.7	35 - 100	587.3
Hospitals (28)	8.4	800 - 2000	11,760.0
Urgent Care Facilities (16)	3.2	200 - 300	800.0
Military	# FED Gen Req	Range (kW)	Req kW
Air National Guard (ANG) Sites (3)	0.0	15 - 35	0.0
Army National Guard (ARNG) Sites (10)	0.0	15 - 35	0.0
National Security Government Military Facilities (195)	0.0	15 - 35	0.0
Law Enforcement	# FED Gen Req	Range (kW)	Req kW
Prison Points (8)	1.6	400 - 600	800.0
Local Police (26)	2.6	15 - 35	65.0
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 (7)	1.4	15 - 40	38.5
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 (352)	0.0	600 - 1200	0.0
Amtrak Stations (5)	0.0	100 - 300	0.0
Bus Stations (38)	0.0	100 - 300	0.0
Intermodal Terminal Facilities (22)	0.0	100 - 300	0.0
Railroad Stations (5)	0.0	100 - 300	0.0
Public-Use Airports (52)	6.2	40 - 100	436.8

Water	# FED Gen Req	Range (kW)	Req kW
Water Treatment Facilities (2)	0.8	800 - 2000	1,120.0
Wastewater Treatment Plants (16)	6.4	800 - 2000	8,960.0

COVID-19

#	County	Cases
1	Mecklenburg	33,552
2	Prince George's	32,499
3	Fulton	31,038
4	Gwinnett	30,489
5	Montgomery	25,438
6	Jefferson	23,573
7	Fairfax	23,534
8	Cobb	21,867
9	DeKalb	21,101
10	Wake	20,953
11	Baltimore	20,419
12	Jefferson	18,687
13	Baltimore City	17,581
14	Greenville	17,482
15	Mobile	16,994
16	District of Columbia	16,906
17	Ocean	16,605
18	East Baton Rouge	16,092
19	Prince William	14,162
20	Monmouth	13,892
21	Orleans	13,471
22	Escambia	13,375
23	New Castle	12,814
24	Hamilton	11,952
25	Anne Arundel	11,872
26	Camden	11,407
27	Guilford	11,278
28	Hall	10,658
29	Tuscaloosa	10,462
30	Montgomery	10,352
31	Durham	8,933
32	Spartanburg	8,922
33	Forsyth	8,756
34	Burlington	8,334
35	Clayton	8,200
36	Sussex	7,882
37	Virginia Beach	7,881
38	St. Tammany	7,727
39	Shelby	7,504

40	Gaston	7,302
41	Cherokee	7,082
42	Chesterfield	7,058
43	Baldwin	6,712
44	York	6,671
45	Lee	6,571
46	Henrico	6,294
47	Okaloosa	6,244
48	Henry	6,204
49	Santa Rosa	5,894
50	Union	5,883
51	Howard	5,845
52	Clarke	5,729
53	Anderson	5,678
54	Gloucester	5,467
55	Whitfield	5,410
56	Harrison	5,398
57	Norfolk	5,369
58	Richmond City	5,320
59	Alamance	5,147
60	Atlantic	5,091
61	Tangipahoa	5,004
62	Chesapeake	4,905
63	Cabarrus	4,850
64	Forsyth	4,735
65	Jackson	4,693
66	Calhoun	4,647
67	Arlington	4,586
68	Pickens	4,406
69	Catawba	4,375
70	Etowah	4,341
71	Alexandria	4,248
72	Livingston	4,216
73	Ascension	4,146
74	Rowan	4,102
75	Buncombe	4,088
76	Douglas	4,084
77	Cumberland	3,986
78	Floyd	3,956
79	Lafourche	3,899
80	Terrebonne	3,862
81	Sullivan	3,846
82	Iredell	3,785
83	Randolph	3,730

84	Davidson	3,677
85	Bradley	3,641
86	Washington	3,615
87	Bartow	3,614
88	Harford	3,555
89	DeKalb	3,492
90	Kent	3,462
91	Sevier	3,408
92	Blount	3,404
93	Carroll	3,337
94	Nash	3,334
95	Elmore	3,246
96	Newport News	3,182
97	Charles	3,154
98	Paulding	3,147
99	Cleveland	3,132
100	Forrest	3,094
101	Orange	3,079
102	Iberia	3,072
103	Troup	3,056
104	St. Clair	3,040
105	Coweta	2,964
106	Jones	2,961
107	Newton	2,856
108	Portsmouth	2,824
109	Montgomery	2,751
110	Roanoke City	2,730
111	Talladega	2,714
112	Burke	2,654
113	Barrow	2,602
114	Lancaster	2,559
115	Greenwood	2,534
116	Henderson	2,504
117	Lauderdale	2,499
118	Wicomico	2,493
119	Caldwell	2,476
120	Oconee	2,444
121	Spotsylvania	2,432
122	Stanly	2,431
123	Jackson	2,375
124	Gordon	2,370
125	Lincoln	2,361
126	Stafford	2,341

127	Walton	2,339
128	Lamar	2,291
129	Suffolk	2,290
130	Moore	2,251
131	St. Martin	2,218
132	Fayette	2,129
133	Rockdale	2,122
134	Hampton	2,109
135	Autauga	2,082
136	Manassas	2,043
137	Granville	2,031
138	St. Mary	2,021
139	Barnstable	1,992
140	Edgecombe	1,973
141	Blount	1,972
142	St. Charles	1,956
143	Rockingham	1,956
144	Lynchburg	1,955
145	Chatham	1,925
146	Laurens	1,912
147	Chilton	1,904
148	Dallas	1,881
149	Walker	1,877
150	Habersham	1,876
151	Greene	1,821
152	Surry	1,810
153	Covington	1,759
154	Rockingham	1,753
155	Escambia	1,749
156	Washington	1,747
157	Rutherford	1,742
158	Polk	1,707
159	Wilkes	1,705
160	McMinn	1,673
161	St. John the Baptist	1,649
162	Hanover	1,629
163	Carter	1,598
164	Spalding	1,588
165	Charlottesville	1,588
166	Jefferson	1,575
167	Albemarle	1,570
168	St. Bernard	1,548
169	Roanoke	1,502
170	Cherokee	1,501

171	Monroe	1,486
172	Iberville	1,475
173	St. Mary's	1,470
174	Franklin	1,449
175	Catoosa	1,429
176	Pike	1,404
177	Halifax	1,394
178	Watauga	1,392
179	Culpeper	1,373
180	Chambers	1,368
181	Clarke	1,366
182	Pike	1,345
183	Cecil	1,340
184	Tallapoosa	1,339
185	Henry	1,320
186	McDowell	1,313
187	Pittsylvania	1,284
188	Stephens	1,278
189	Chester	1,239
190	Simpson	1,223
191	Accomack	1,211
192	Worcester	1,210
193	Bedford	1,200
194	Vance	1,196
195	Danville	1,184
196	Montgomery	1,184
197	Calvert	1,176
198	Johnson	1,166
199	Salem	1,166
200	Pearl River	1,150
201	Cape May	1,111
202	Cocke	1,097
203	Prince George	1,087
204	Fauquier	1,087
205	Lumpkin	1,043
206	Jackson	1,036
207	Gilmer	1,036
208	Murray	1,033
209	Wayne	1,027
210	Marengo	1,026
211	George	1,014
212	Butler	1,012
213	Yadkin	1,003

214	White	1,000
215	Covington	985
216	Washington	980
217	West Baton Rouge	970
218	Marion	954
219	James City	951
220	Chattooga	940
221	Franklin	933
222	Radford	929
223	Petersburg	926
224	Southampton	921
225	Dawson	911
226	Greensville	894
227	Plaquemines	893
228	Union	886
229	Mecklenburg	871
230	Oconee	865
231	Isle of Wight	864
232	Pasquotank	863
233	Hancock	859
234	Hertford	853
235	Alexander	851
236	Harris	850
237	Bibb	850
238	St. James	841
239	Randolph	835
240	Fannin	828
241	Assumption	799
242	Madison	787
243	Dorchester	779
244	Hale	777
245	Pickens	775
246	Cherokee	773
247	Queen Anne's	773
248	Clarke	763
249	Abbeville	760
250	Prince Edward	760
251	Cherokee	756
252	Davie	753
253	Clay	753
254	Macon	752
255	Elbert	752
256	Washington	751
257	Union	746

258	Butts	740
259	Caroline	740
260	Buckingham	735
261	Bertie	727
262	Anson	723
263	Lowndes	716
264	Campbell	714
265	Haywood	710
266	Jasper	692
267	Stokes	673
268	Augusta	664
269	Person	661
270	Monroe	655
271	Bullock	650
272	Talbot	645
273	Manassas Park	644
274	Haralson	642
275	Walthall	641
276	York	640
277	Sussex	639
278	Smyth	624
279	Caswell	620
280	Avery	619
281	Crenshaw	609
282	Carroll	606
283	Smith	598
284	Meriwether	598
285	Perry	595
286	Fredericksburg	589
287	Amherst	583
288	Hart	576
289	Cleburne	573
290	Wilcox	570
291	Greene	570
292	Conecuh	565
293	Northampton	559
294	Banks	556
295	Salem	555
296	Macon	539
297	Lawrence	534
298	Morgan	528
299	Polk	527
300	Chowan	526
301	Dinwiddie	520

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304	Perry	512
305	Franklin City	495
306	Stone	486
307	Martinsville	482
308	Greene	479
309	Sumter	474
310	Page	470
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315	Ashe	432
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323	Jefferson Davis	417
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386	Madison	131
387	Buena Vista	121
388	Cumberland	119

389	Alleghany	113
390	Charles City	101
391	Poquoson	97
392	King and Queen	85
393	Falls Church	75
394	Bland	71
395	Rappahannock	69
396	Craig	50
397	Covington	37
398	Bath	24
399	Dukes	0
400	Nantucket	0

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